



- CENTROCOT -

**CENTRO TESSILE COTONIERO E
ABBIGLIAMENTO S.p.A.**

**LABORATORY TESTS AND SERVICES
CATALOGUE**

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Piazza S. Anna, 2 Busto Arsizio 21052 (VA)
Tel. 0331 696711
Fax 0331 680056
E-Mail: info@centrocot.it
Web site: www.centrocot.it
Testing Secretary's office: laboratorio@centrocot.it

THE LABORATORY

Laboratory is the biggest area of Centro Tessile Cotoniero e Abbigliamento S.p.A. and the fulcrum of all technical activities of service and research.

The laboratory is registered on the Album of the highly qualified External Public and Private Laboratories, Law n.46 of 1982, and is authorized to carry out research on behalf of small and medium enterprises.

As a consequence of the high diversification of textile and clothing sector in Italy, test services which were initially the classic technological chemical and dyeing tests, have now been enlarged also to more technical and specialistic sectors. After ecological and protection sector also the Microbiological Textile Laboratory, the Comfort Laboratory, the Laboratory for evaluation of chemical risk, of protection against electromagnetic waves and for measurement of static electricity have been created.



The laboratory is accredited by ACCREDIA, the National Body of Accreditation of Test Laboratories, (registration number 0033). The accreditation certifies the technical skill of the staff, the use of adequate equipment, the impartiality of laboratory operators and of technical remarks issued by laboratory.



On 01st December 2011, Centrocot laboratory obtained accreditation as LAT Calibration Center (nr 226) for measurement of 'spectral reflectance factor' by ACCREDIA (Italian Accreditation Body) - Calibration Laboratories Department. Centrocot is thus authorized to issue LAT Calibration Certificates on spectrophotometers and reference materials for colorimetry.



Thank to one of the most advanced laboratory and to the skill reached in this sector, Centrocot has been notified EEC n.0624 to issue EU Type certificates according to Regulation (EU) 2016/425 abrogating the directive 89/686/EEC for protection garments and gloves against different kind of risk.



Centrocot, as a member of the OEKO-TEX® Association, is the only institute in Italy authorized to issue the STANDARD 100 by OEKO-TEX® certificate; the certificate guarantees that the product doesn't contain human harmful substances above the limits of the Standard.



Centrocot, as a member of the OEKO-TEX® Association, is the only institute in Italy authorized to issue the LEATHER STANDARD by OEKO-TEX® certificate; the certificate guarantees that the leather product doesn't contain human harmful substances above the limits of the Standard.



Centrocot, as a member of the OEKO-TEX® Association, is the only institute in Italy authorized to issue the ECO PASSPORT by OEKO-TEX® certificate; the certificate guarantees that chemical can be used in a sustainable textile production because it doesn't introduce in the process human and environmental harmful substances. The chemical ECO PASSPORT by OEKO-TEX® certified indeed is tested and doesn't contain harmful substances itself above the limits of the Standard.



The laboratory has the necessary accreditation to carry out the necessary tests to obtain the Ecolabel, the ecological product label of European Union that in Italy is issued by Ecolabel and Ecoaudit Committee.



Centrocot is Member of the International Testing Association for Applied UV Protection and is the only institute in Italy authorized to issue the label UV Standard 801 which certifies the level of UV protection offered by a fabric.

REGULATIONS

The samples and the materials to be submitted to test have to be accompanied by a written request; non-written orders are not accepted; tests can be carried out only upon agreement with the Customer.

In order to simplify the request, the Customer can make use of the 'ORDER FORM', duly filled in and signed; on the order form the Customer can select whether he prefers to receive the offer or not. However, Centrocot is entitled to send the offer even if it is not required.

Instead of using the ORDER FORM, the Customer can apply to the Secretarial Staff who will inform him about the applicable contractual procedures which better comply with the request.

With regard to analysis of defect, accredited and not-accredited calibrations, voluntary certification and CE certification of Type, the contractual management always provides that the offer is drawn up and accepted.

It is Customer's responsibility to provide all the necessary information for the correct supply of the service: particular attention must be paid to the correct identification of the sample (fiber composition, item code, design code, variation code etc..).

Centrocot laboratory does not submit unchecked test results to the customer.

In case the customer needs to have a result's preview of finished tests, representing only a part of foreseen tests and, due to contractual clauses he cannot split results on different Test Reports, Centrocot can exceptionally issue Partial Test Reports including validated results of finished tests and "test in progress" by uncompleted tests. Once all tests are finished the complete Test Report will be issued, this will have the same identification number of the Partial Test Report, new data and will contain the sentence "completion of Partial Test Report with same number".

Centrocot commits to examine the complaints that may occur, to verify them and provide a clear and exhaustive written reply within and not over three month since the receiving of the complaint.

Upon request, it is possible to perform tests not included in the Catalogue according to national and international regulations, methods developed by the Laboratory or upon Customer's indication. The costs of these extra services are defined on the basis of specific offer.

The Test Reports cannot be partly reproduced without the written authorization of Centro Tessile Cotoniero e Abbigliamento S.p.A..

The Test Report refers only to the analysed samples and are exclusively property of the Customer.

Customer is aware that Centro Tessile Cotoniero e Abbigliamento S.p.A. is not responsible for the possible misuse by Customer of the results of the supplied service.

The copies of the Test Reports, the relevant registration documents and, if available, a sample for reference (counter-sample) are kept for 4 years with the exception of those Test Reports containing results used for the EU-Type Examination Certification that are kept together with the registration documents and, if available, a sample for reference (counter-sample) for 10 years. The copies of the EU-Type Examination Certificates and of the LAT Calibration Certificates along with the connected registration documents are kept for 10 years.

Residual textiles (after sampling for the requested test) will be destined for possible recovering or recycling, upon feasibility assessment and removal of any part identifying them. Shouldn't the recovery or recycling be possible, they will be destroyed. The Customer may require the return of the residual material selecting expressly such choice by filling in the appropriate section of the Test request form or of the Offer or through written request. In case of no indication of any choice, the samples will be destined to recovering/recycling or removal after expiry of 8 days from sending of the related Test Report by e-mail.

The Laboratory is accredited by ACCREDIA (accreditation number 0033). The not accredited Tests are indicated by symbol * in the Catalogue of Services and Tests.

Customers can consult the list of the accredited tests and download the ACCREDIA Accreditation Certificate directly from the website www.centrocot.it by clicking on ACCREDIA mark.

The accreditation states the technical qualification of the personnel, the use of proper equipments, the impartiality of the personnel entrusted with testing and, in wider terms, the accordance of the organization with the operational and technical requirements as provided in UNI CEI EN ISO/IEC 17025.

The agreements of mutual recognition and/or reciprocity taken by Accredia with similar bodies of other Countries assure the international recognition of the test results provided by accredited laboratories.

CONFIDENTIALITY

All information that will be brought to our knowledge for the development of the assignment will be treated as confidential and therefore Centro Tessile Cotoniero e Abbigliamento S.p.A. commits to maintain this confidence and not to disclose any information to third parties without Your prior consent and not to use materials or documentation received by You if not for the specific purposes of the assignment.



TERMS OF SALE

INVOICING

Payment of test and services is due through bank transfer 30 days from invoice date end of month. Customer requesting Centrocot's services for the first time must submit their company data and bank references filling the form that can be downloaded from the website www.centrocot.it.

Foreign Customers shall be requested to pay in advance for the performance of Centrocot tests and services.

If any default of payment for invoices previously issued should occur, Centrocot is authorized to suspend all activities till the complete settlement of payments.

SUBSCRIPTIONS

Upon request, Customer has the opportunity to subscribe subscriptions at special rates.

APPLICABLE LAW AND JURISDICTION

Services are subject to Italian law. For any dispute that might arise in regard to the present Agreement, the court of Busto Arsizio shall have exclusive jurisdiction with exclusion of all other alternative or competing courts.



GENERAL COSTS

Code	Description	Methods
10140	Interpretation of results	
10150	Analyst rate	
10960	Technician rate	
10160	Technical remarks	
13105	Ecological technical remarks	
10400	Translation of technical reports and technical remarks into English, French or Chinese	
10990	Proficiency Test	
10991	Proficiency Test - Additional equipment	
99991	Reprint of test report	
10970	Travel rate	
10980	Repayment per kilometer	

PHYSICAL-MECHANICAL TESTS

General

Code	Description	Methods
* 10155	Visual evaluation	
* 10151	Check of the sample and preliminary analysis	
* 14000	Ready-made garments: check of aspect and exterior features	
* 10153	Grain check	Method supplied by customer
* 10161	Summary table of analytical data	

Fibres

Code	Description	Methods
* 13129	Fibres. Measure of length by of single fibre	ISO 6989:1981 only method A (with a ruler on polished glass plate)
* 12130	Fibres. Measure of single fibres	UNI 5751:1990 (except paragraphs 4.2 and 7.2)
* 12131	Fibres.Length of fibre tuft	MIP 003:2008 Rev.1
* 12140	Fibres. Linear density	UNI EN ISO 1973:2021 only gravimetric method
* 12134	Fibres man-made. Crimp frequency	ASTM D 3937-12 (2018) only option 1 (method on single fiber)
* 12149	Fibres. Linear density (yarn count). Gravimetric method	ASTM D 1577-07 (2018) only option A (fiber bundle weighing)
* 12150	Fibres. Length and length distribution of cotton fibres (Comb sorter method)	UNI 10170:1994
* 12220	Cotton fibres. Measurement with HVI Spinlab instruments	ASTM D5867-12(2020)
* 12222	Fibres. Number of neps	ASTM D5866-12(2020)
* 12245	Cotton fibres. Impurity content.Trash Analyser	MIP 025:2008 Rev.1
* 12250	Fibres. Retraction in water	ASTM D 2102-02 (2018)
* 12170	Textiles. Commercial mass	UNI 9213-4:1990 UNI 9213-6:1991
* 12171	Textiles. Commercial Mass	UNI 9213-3:1989

Threads and yarns

General

Code	Description	Methods
* 13121	Threads and yarns. Length and weight of yarn winded on a cone	MIP 020:2008 Rev.1
* 13400	Threads and yarns. Preparation of tubular knitted fabric	MIP 015:2008 Rev.1
* 13300	Fibres. Length and length distribution of cotton fibres (Comb sorter method)	UNI 10170:1994
* 13182	Threads. Entanglement degree. Manual Method	ASTM D4724/D4724M-21
* 13181	Texturized thread. Crimping degree	BISFA 2007 Textured Filament Yarns Cap. 10
* 13290	Threads and yarns. Coefficient of friction	ASTM D3108/D3108M-13(2020)
* 13291	Threads and yarns. Coefficient of friction	MIP 024:2008 Rev.1
* 13130	Threads. Number of filaments	MIP 002:2008 Rev.1
* 13391	Yarns. Type of spinning	MIP 011:2008 Rev.1
* 13310	Yarns. Appearance. Black table	ASTM D2255/D2255M-09(2020)
* 13320	Yarns. Unevenness of textile strands using capacitance testing equipment (Uster Tester 3)	ASTM D1425/D1425M-14(2020)
* 13330	Yarns.Determination of defects. (Classimat)	MIP 001:2003 Rev.0
* 13390	Yarns. Search of knots, breaking points, slubbing	MIP 018:2008 Rev.1

* 41920	Yarn score card. Destination to weaving of single or twisted yarns (mass per unit length, tensile strength, single or twisted yarn torsion, unevenness, black table, Classimat, summary table)	See tests on yarns and Centrocot Yarns Standard Vol. 2° Ortogonali – 1989 Vol. 4° Ortogonali ritorti - 1990
* 41921	Yarn score card. Destination to knitting of single or twisted yarns (mass per unit length, tensile strength, single or twisted yarn torsion, unevenness, black table, coefficient of friction, twist stability/crimping, Classimat, summary table)	See tests on yarns and Centrocot Yarns Standard Vol. 1° Maglieria – 1989 Vol. 3° Maglieria ritorti – 1990

Threads and yarns

Linear density (mass per unit length)

Code	Description	Methods
13120	Threads and yarns. Linear density (yarn count)	UNI EN ISO 2060:1997 only option 1 (test in normal atmosphere)
* 13117	Threads and yarns. Linear density (yarn count)	ASTM D 1907-07/D1907M-12 (2018) only option 1 (test in normal atmosphere)
* 13119	Texturized yarns. Linear density (yarn count)	BISFA 2007 Textured Filament Yarns Cap. 7
* 13122	Elastomeric threads and yarns. Linear density (yarn count)	BISFA 2015 Bare Elastan Cap. 5
* 13118	Glass fibre threads. Linear density (yarn count)	BISFA 1977 Textile Glass Filament Yarns Cap.F
* 13126	Reinforcement yarns. Linear density	ISO 1889:2009 (except Par. 5.2 and 8.3)

Threads and yarns

Tensile strenght

Code	Description	Methods
13180	Threads and yarns. Yarns from packages. Tensile strenght and elongation	UNI EN ISO 2062:2010 (except methods C and D)
* 13183	Elastomeric threads and yarns. Tensile strength and elongation	BISFA 2015 Bare Elastan Cap. 6
* 13179	Glass fibre threads. Tensile strength	BISFA 1977 Textile Glass Filament Yarns Cap.G
* 13178	Textile glass filament threads for the reinforcement of plastic materials. Tensile strength	UNI 9411:1989
* 13125	Textured threads. Tensile strength	BISFA 2007 Textured Filament Yarns Cap. 8
* 13177	Carbon fibre. Tensile properties of resin-impregnated yarn	UNI EN ISO 10618:2005 (except Par. 7.3, 10.2 and 10.3)

Threads and yarns

Twist

Code	Description	Methods
* 13140	Textiles. Twist in single yarns	UNI 9069:1988
* 13141	Textiles. Twist in single yarns	ISO 17202:2002
* 13146	Threads and Yarns Twist. Indirect method for single threads and yarns	ASTM D1422/D1422M-13(2020)
* 13142	Textiles. Threads and Yarns Twist. Direct method	UNI EN ISO 2061:2015
* 13143	Texturized yarns. Twist	BISFA 2007 Textured Filament Yarns Cap. 5
* 13144	Glass fibre threads. Twist	BISFA 1977 Textile Glass Filament Yarns Cap.E
* 13380	Yarns. Twist stability/crimping	MIP 004:2008 Rev.1



Threads and yarns

Commercial Mass

Code	Description	Methods
* 13280	Textiles. Commercial mass	UNI 9213-4:1990 UNI 9213-6:1991
* 13283	Textiles. Commercial mass	UNI 9213-3:1989

FABRICS AND READY-MADE GARMENTS – CONSTRUCTION TESTS

Dimensions and weights

Code	Description	Methods
* 14107	Ready-made garments. Measurements and weight	MIP 019:2008 Rev.1
* 14114	Fabrics. Thickness	UNI EN ISO 5084:1998 (except points A1 and A2 of appendix)
14104	Fabrics. Width of fabrics	ASTM D 3774-2018
14101	Fabrics. Width of fabrics	ISO 22198:2006 Par. 8.3
14115	Fabrics. Width of fabrics	UNI EN 1773:1998 Par. 8.3
* 14099	Reinforcement products. Woven fabrics. Determination of width	ISO 5025:2017 Par. 7.2
14102	Fabrics. Length of fabrics	ISO 22198:2006 Par. 8.2
14118	Fabrics. Length of fabrics	UNI EN 1773:1998 Par. 8.2
* 14100	Reinforcement products. Woven fabrics. Determination of length	ISO 5025:2017 Par. 7.3
14111	Fabrics. Mass per unit area and mass per unit length	UNI 5114:1982
14123	Fabrics. Mass per unit area. Small sample method	UNI EN 12127:1999
14125	Fabrics. Mass per unit area and mass per unit length	ISO 3801:1977 ASTM D3776/D3776-20
* 14128	Textile glass. Mass per unit area	ISO 3374:2000
* 14609	Padding. Mass per unit area	UNI 9907:1991

Interlacings and weaves

Code	Description	Methods
14112	Woven fabrics. Basic weaves	ISO 3572:1976 UNI 8099:1980
14119	Woven fabrics. Basic weaves	ISO 7211-1:1984
14117	Knitted fabrics. Interlacing	ISO 8388:1998 UNI EN ISO 4921:2005

Linear Density (yarn count) and crimp

Code	Description	Methods
14110	Woven fabrics. Linear density (yarn count)	UNI 9275:1988
14105	Woven fabrics. Linear density (yarn count)	ISO 7211-5:2020
14109	Knitted fabrics. Linear density (yarn count)	BS 5441:1988 Par. from 1 to 5 and Par. 11 or 15 UNI EN 14970:2006 Met. B
14702	Knitted fabrics. Absorbed yarn length (LFA)	UNI EN 14970:2006 Met. A BS 5441:1988 Par. from 1 to 5, 9+10
14116	Woven fabrics. Crimp	UNI 9276:1988
14135	Woven fabrics. Crimp	ISO 7211-3:1984
* 14136	Texturized yarn. Linear density (yarn count)	BISFA 2007 Textured Filament Yarns Cap. 7
* 14137	Fabrics. Linear density (yarn count) of a glass fibre thread	BISFA 1977 Textile Glass Filament Yarns Cap.F
* 14124	Elastomeric threads and yarns. Linear density (yarn count)	BISFA 2015 Bare Elastan Cap. 5

Twist of yarns from fabrics

Code	Description	Methods
* 14120	Textiles. Twist in single yarns	UNI 9069:1988
* 14103	Textiles. Twist in single yarns	ISO 17202:2002



* 14143	Textiles. Twist. Indirect method for single threads and yarns	ASTM D1422/D1422M-13(2020)
* 14121	Textiles. Threads and Yarns Twist. Direct method	UNI EN ISO 2061:2015
* 14141	Textiles. Twist in yarn removed from fabric	ISO 7211-4:1984
* 14142	Texturized yarns. Twist	BISFA 2007 Textured Filament Yarns Cap. 5
* 14145	Fabrics. Glass fibre thread twist	BISFA 1977 Textile Glass Filament Yarns Cap.E

Density per cm

Code	Description	Methods
* 14122	Fabrics. Number of threads per unit length - Micrometric measurements	MIP 022:2008 Rev.1
14108	Knitted fabrics. Numer of wales and courses per unit of length	UNI EN 14971:2006 BS 5441:1988 Par. da 1 a 5, Par. 8 o 13
14113	Woven fabrics. Number of threads per unit length	UNI EN 1049-2:1996
14127	Woven fabrics. Number of threads per unit length	ISO 7211-2:1984
* 14138	Woven fabrics. Number of threads per unit length	ASTM D 3775-17

FABRICS AND READY-MADE GARMENTS – PERFORMANCE TESTS

General

Code	Description	Methods
* 14480	Fabrics. Recovery from creasing	UNI EN 22313:1993
* 14146	Fabrics. Recovery from creasing. Horizontally folded specimen	ISO 2313-1:2021
* 14720	Fabrics. Printing of the cloth surface	MIP 031:2008 Rev.1
* 14335	Fabrics, Nonwoven fabrics. Flexural rigidity. Bending length test	UNI 10138:1992 only method 5.1 (manual equipment)
* 14271	Knitted fabrics. Index of damage by needle penetration in existing seams	MIP 036:2008 Rev.1
* 14272	Knitted fabrics. Damage by needle penetration in seams	MIP 036:2008 Rev.1
* 14273	Woven fabrics. Damage by needle penetration in seams	MIP 036:2008 Rev.1
* 14274	Woven fabrics. Index of damage by needle penetration in existing seams	MIP 036:2008 Rev.1
* 14098	Textile glass. Woven Fabric. Thickness	ISO 4603:1993 + Amd 1-2010 (only pressure 2 kPa)

Tensile strenght

Code	Description	Methods
14220	Fabrics. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013
* 14217	Fabrics. Tensile strenght and elongation. Strip method	ASTM D 5035-11 (2019)
* 14234	Textiles, Accessories. Tensile strength test	Method required by customer
14230	Fabrics. Tensile strenght. Grab method	UNI EN ISO 13934-2:2014
14231	Fabrics. Tensile strenght. Grab method	ASTM D 5034-21 (except Par. 9.3)
14266	Fabrics. Seam tensile strength. Strip method	UNI EN ISO 13935-1:2014
14267	Textiles. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014

Tensile strenght of yarns from fabrics

Code	Description	Methods
14130	Threads and yarns. Yarns from packages. Tensile strenght and elongation	UNI EN ISO 2062:2010 (except methods C and D)
* 14139	Textured yarns. Tensile strength and elongation	BISFA 2007 Textured Filament Yarns Cap. 8
* 14131	Elastomeric threads and yarns. Tensile strength and elongation	BISFA 2015 Bare Elastan Cap. 6
* 14147	Glass fibre threads. Tensile strenght and elongation	BISFA 1977 Textile Glass Filament Yarns Cap.G
* 14148	Terry fabrics. Test method for the determination of the resistance to pile loop extraction	UNI EN 15598:2008

Tearing strenght

Code	Description	Methods
14240	Fabrics. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1 - 2004 ASTM D 2261-13 (2017)
14241	Fabrics. Tearing strenght. Nail method	UNI 7275:1974
14242	Fabrics. Tearing strenght. Elmendorf method	UNI EN ISO 13937-1:2002 + EC 1- 2004
14243	Fabrics. Tearing strenght. Double-teared method	UNI EN ISO 13937-4:2002 + EC 1 - 2004
14245	Fabrics. Tearing strenght. Elmendorf method	ASTM D 1424-21
14252	Fabrics. Tearing strenght. Wing-shaped method	UNI EN ISO 13937-3:2002 + EC 1 - 2004
* 14238	Fabrics. Tearing strenght. Trapezoid method	ASTM D5587-15 (2019)
* 14239	Fabrics. Tearing strenght. Nail method	UNE 40413:2002

Seam and Stretch

Code	Description	Methods
14264	Textiles. Slippage resistance of yarns at a seam in woven fabrics. Fixed seam opening method	UNI EN ISO 13936-1:2004 + EC 1 - 2006
14268	Textiles. Slippage resistance of yarns at a seam. Fixed load method	UNI EN ISO 13936-2:2004
* 14269	Fabrics. Slippage resistance of fabric yarns in seams. Fixed seam opening method	Method supplied by customer
* 14270	Textiles. Slippage resistance of yarns at a seam in woven fabrics. Fixed seam opening method	ASTM D 1683/D1683M-17 (2018)
* 14289	Fabrics. Slippage resistance of fabric yarns in seams	TEFO METHOD 55-82:1982
14226	Fabrics. Stretch	UNI EN ISO 20932-1:2022
* 14235	Fabrics. Stretch	ASTM D 2594-21
* 14236	Fabrics. Stretch	ASTM D 3107-07 (2019) except points 10.5 and 11.1.4
* 14237	Fabrics. Stretch	ASTM D 6614-20
* 14244	Fabrics. Stretch	ASTM D4964-12(2020)
* 14225	Fabrics. Stretch	Method supplied by customer

Permeability and perforation

Code	Description	Methods
14320	Textiles. Permeability to air	UNI EN ISO 9237:1997 (test areas 5 and 20 cm ²)
* 14319	Textiles. Permeability to air	GOST 12088-77
14321	Textiles. Permeability to air	ASTM D 737-18 (test area 5 and 38 cm ²)
* 14322	Fabrics coated with rubber or plastic. Gas permeability	NF G 37-114:2011
14330	Fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018
14331	Fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	ISO 811:2018
* 14334	Coated fabrics. Hydrostatic resistance	ASTM D 751-19 Procedure B
* 14336	Fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	AATCC 127-2018 option 2
* 14337	Fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	JIS L 1092:2009 Method A
14340	Textiles. Test of resistance to water penetration. Constant pressure test	UNI 5123:1987
14300	Fabrics. Perforation. Ball method (Persoz)	UNI 5421:1983
14290	Fabrics, Nonwoven fabrics. Bursting strength. Pneumatic method	UNI EN ISO 13938-2:2020
* 14291	Fabrics. Bursting strength. Hydraulic method	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5
* 14292	Fabrics, Nonwoven fabrics. Bursting strength	ASTM D3786/D3786M-18

Spirality and bow and skew

Code	Description	Methods
* 14126	Fabrics. Spirality	ASTM D3882-08(2020)
* 14709	Fabrics. Spirality	BSI 2819:1990
* 14133	Fabrics. Spirality	ISO 16322-2:2021
* 14106	Garments. Spirality change of knitted fabrics	ISO 16322-1:2005
* 14134	Garments. Spirality of garments	ISO 16322-3:2021
* 14711	Woven fabrics. Skew and bow	UNI EN ISO 13015:2013

Abrasion and pilling

Code	Description	Methods
14310	Fabrics. Abrasion (Martindale)	UNI EN ISO 12947-1:2000 + EC 1-2010 + UNI EN ISO 12947-2:2017

14315	Fabrics. Abrasion (Martindale)	UNI EN ISO 12947-1:2000 + EC 1-2010 + UNI EN ISO 12947-4:2000 + EC 1-2010 + EC 2-2010
* 14313	Fabrics. Abrasion (Martindale)	UNI EN ISO 12947-1:2000 + EC 1-2010 + UNI EN ISO 12947-3:2000 + EC 1-2010
14318	Hosiery. Abrasion (Martindale)	UNI EN 13770:2003
* 14311	Fabrics. Abrasion (Martindale)	ASTM D 4966-12 (2016)
* 14312	Fabrics Abrasion resistance. Taber method	ASTM D 3884-09 (2017)
* 14278	Fabrics. Abrasion resistance. Taber method	ASTM D4685/D4685M-15(2020)
* 14316	Personal protective equipment. Test methods for footwear. Abrasion	UNI EN ISO 20344:2012 Par. 6.12
14307	Protective clothing. Abrasion (Martindale)	UNI EN 530:2010 Method 1
14280	Textiles. Formation to surface pilling, fuzzing or matting. Pilling box method	UNI EN ISO 12945-1:2021 + ISO 12945-4:2020
14283	Textiles. Formation to surface pilling, fuzzing or matting. Martindale method	UNI EN ISO 12945-2:2021 + ISO 12945-4:2020
* 14284	Fabrics. Pilling. Martindale method	ASTM D 4970/D 4970M-16
* 14279	Fabrics. Pilling resistance. Random tumble method	ASTM D 3512/D3512-16
* 14286	Fabrics. Snagging	ICI Test Method 444

Treatments

Code	Description	Methods
14308	Protective clothing. Pretreatment by abrasion (Martindale)	UNI EN 530:2010 Met. 2
16267	Rubber or plastics coated fabrics. Treatment through repeated bendings. De Mattia method	UNI EN ISO 7854:1999 Met. A
16261	Rubber or plastics coated fabrics. Treatment through repeated bendings. Schildknecht method	UNI EN ISO 7854:1999 Met. B
16263	Rubber or plastics coated fabrics. Treatment through repeated bendings. Flection/torsion method	UNI EN ISO 7854:1999 Met. C
* 16260	Contamination treatment with solvent, oil or products supplied by customer	Method supplied by customer
* 14317	Textiles, Accessories. Abrasion treatment	Method required by customer



FABRICS COATED WITH POLYMERIC MATERIALS

Code	Description	Methods
* 16140	Fabrics coated with polymeric materials. Elastic recovery	UNI 4818-24:1992
* 16141	Fabrics coated with polymeric materials. Percentage elongation under load	UNI 4818-7:1992
* 16142	Fabrics coated with polymeric materials. Repeated bendings. Bally method	UNI 4818-13:1992
* 16170	Fabrics coated with polymeric materials. Seam resistance	UNI 4818-11:1992
* 16190	Fabrics coated with polymeric materials. Resistance in acetone bath	UNI 4818-16:1992
* 16210	Fabrics coated with polymeric materials. Coating colour fastness to rubbing	UNI 4818-20:1992
16220	Fabrics coated with polymeric materials. Water vapour transmission rate	UNI 4818-26:1992
* 16230	Fabrics coated with polymeric materials. Resistance to hot plate	UNI 4818-27:1992
* 16240	Fabrics coated with polymeric materials. Resistance to methyl-ethyl-ketone	UNI 4818-28:1992
* 16270	Fabrics coated with polymeric materials. Migrability of coloured substances	UNI 4818-21:1992

RUBBER OR PLASTICS COATED FABRICS

Code	Description	Methods
* 16100	Rubber or plastics coated fabrics. Length, width and net mass	UNI EN ISO 2286-1:2016
16110	Rubber or plastics coated fabrics. Mass per unit area	UNI EN ISO 2286-2:2016 (except paragraphs 4 and 5)
16130	Rubber or plastics coated fabrics. Tensile strength and elongation	UNI EN ISO 1421:2017
16149	Rubber or plastics coated fabrics. Tearing strength. Trapezoid method	UNI EN 1875-3:2000
16151	Rubber or plastics coated fabrics. Tearing strength. Elmendorf method	UNI EN ISO 4674-2:2021
16152	Rubber or plastics coated fabrics. Tearing strength. Double-teared method	UNI EN ISO 4674-1:2017 Met. A
16153	Rubber or plastics coated fabrics. Tearing strength. Tear specimen	UNI EN ISO 4674-1:2017 Met. B
* 16160	Rubber or plastics coated fabrics. Coating adhesion	UNI EN ISO 2411:2018 (only method 1)
* 16250	Rubber or plastics coated fabrics. Water resistance at limit hydrostatic pressure	UNI EN 1734:1998
* 16257	Rubber or plastics coated fabrics. Abrasion. Taber method	UNI EN ISO 5470-1:2017
* 16264	Rubber or plastics coated fabrics. Abrasion (Martindale)	UNI EN ISO 5470-2:2021
16258	Rubber or plastics coated fabrics. Repeated bendings. De Mattia method	UNI EN ISO 7854:1999 Met. A
16259	Rubber or plastics coated fabrics. Repeated bendings. Schildknecht method	UNI EN ISO 7854:1999 Met. B
16262	Rubber or plastics coated fabrics. Repeated bendings. Flexion/torsion method	UNI EN ISO 7854:1999 Met. C
* 16200	Rubber or plastics coated fabrics. Blocking resistance	UNI EN 25978:1996
* 16251	Inflatable play equipment. Tearing strength	UNI EN 14960-1:2019 Appendix E
* 14369	Coated fabrics. Water vapour transmission rate. Dish method	UNI 9278:1988



NONWOVEN FABRICS

Code	Description	Methods
15105	Nonwoven fabrics. Mass per unit area	UNI EN 29073-1:1993
15104	Nonwoven fabrics. Mass per unit area	ISO 9073-1:1989
15110	Nonwoven fabrics. Air permeability	UNI 8279-3:1983 (only test area 20 cm ² , except point 4.3)
15120	Nonwoven fabrics. Tensile strenght. Grab method	UNI 8279-4:1984
* 14333	Non woven fabrics. Tensile strenght. Grab method	ISO 9073-18:2007
15125	Nonwoven fabrics. Tensile strenght and elongation. Strip method	UNI EN 29073-3:1993
15124	Nonwoven fabrics. Tensile strenght and elongation. Strip method	ISO 9073-3:1989
15170	Nonwovens. Tearing strength. Trapezoid method	UNI EN ISO 9073-4:2021
* 15200	Nonwoven fabrics. Exposure to artificial atmospheric agents	UNI 8279-17:1989
* 15201	Nonwoven fabrics. Tensile strenght and elongation after artificial weathering exposition	UNI 8279-17:1989 + UNI EN 29073-3:1993
* 15141	Nonwoven fabrics. Absorption time	UNI EN ISO 9073-6:2004 Par. 4
15142	Nonwoven fabrics. Absorption capacity	UNI EN ISO 9073-6:2004 Par. 5
* 15143	Nonwoven fabrics. Wetting speed	UNI EN ISO 9073-6:2004 Par. 6
15190	Nonwoven fabrics. Hot dimensional change	UNI 8279-12:1985
* 15127	Nonwoven fabrics. Bending lenght (flexural rigidity)	UNI EN ISO 9073-7:2000
* 15128	Fabrics, Nonwoven fabrics. Flexural rigidity - Bending length test	UNI 10138:1992 only method 5.1 (manual equipment)

YARNS, FABRICS (SPECIFICATIONS)

Tests on Para-aramid multifilament yarns - UNI EN 12562:2001 specifications

Code	Description	Methods
* 13123	Para-aramid multifilament yarns. Linear density (yarn count)	UNI EN ISO 2060:1997 only option 1 (test in normal atmosphere) + UNI EN 12562:2001 + EC 1-2004
* 13184	Para-aramid multifilament yarns. Tensile strenght and elongation	UNI EN ISO 2062:2010 (except methods C and D) + UNI EN 12562:2001 + EC 1-2004
* 13145	Para-aramid multifilament yarns. Twist	UNI EN ISO 2061:2015 + UNI EN 12562:2001 + EC 1-2004

Upholstery fabrics - UNI EN 14465:2008 specifications

Code	Description	Methods
14481	Upholstery fabrics. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 14465:2008
14482	Upholstery fabrics. Fabrics. Tearing strenght. Wing-shaped method	UNI EN ISO 13937-3:2002 + EC 1 - 2004 + UNI EN 14465:2008
14483	Upholstery fabrics. Formation of surface pilling, Fuzzing or matting. Martindale method	UNI EN ISO 12945-2:2021 + ISO 12945-4:2020 + UNI EN 14465:2008
14484	Upholstery fabrics. Slippage resistance of yarns at a seam. Fixed load method	UNI EN ISO 13936-2:2004 + UNI EN 14465:2008
* 14485	Upholstery fabrics. Bursting strength	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 14465:2008
14486	Upholstery fabrics. Abrasion (Martindale). Deterioration of the specimen	UNI EN ISO 12947-1:2000 + EC 1-2010 + UNI EN ISO 12947-2:2017 + UNI EN 14465:2008
20231	Upholstery fabrics. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A1 + UNI EN 14465:2008
20351	Upholstery fabrics. Colour fastness to rubbing	UNI EN ISO 105-X12:2016 + UNI EN 14465:2008
20283	Upholstery fabrics. Colour fastness to water	UNI EN ISO 105-E01:2013 + UNI EN 14465:2008
20296	Upholstery fabrics. Colour fastness to water spotting	UNI EN SO 105-E16:2008 + UNI EN 14465:2008
20106	Upholstery fabrics. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010 + UNI EN 14465:2008
20212	Upholstery fabrics. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010 + UNI EN 14465:2008
25109	Upholstery fabrics. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 5077:2008 + UNI EN ISO 3759:2011 + UNI EN 14465:2008

Rubber or plastics coated fabrics - ISO 8096:2005 + Cor 1:2005 specifications

Code	Description	Methods
16271	Rubber or plastics coated fabrics. Treatment through repeated bendings. Flection/torsion method	ISO 8096:2005 annex C and D + Cor 1:2005 + UNI EN ISO 7854:1999 Met. C

* 16272	Rubber or plastics coated fabrics. Washing pretreatment	UNI EN ISO 6330:2022 + ISO 8096:2005 + Cor 1:2005 annex D
* 16273	Rubber or plastics coated fabrics. Accelerated ageing pretreatment	ISO 1419:2019 Method B (General method) + ISO 8096:2005 + Cor 1:2005 annex D
* 16268	Rubber or plastics coated fabrics. Accelerated ageing pretreatment	ISO 1419:2019 Method C (Tropical test) + ISO 8096:2005 + Cor 1:2005 annex D
* 16274	Rubber or plastics coated fabrics. Abrasion (Martindale)	UNI EN ISO 5470-2:2021 + ISO 8096:2005 annex E + Cor 1:2005
16275	Rubber or plastics coated fabrics. Dry cleaning pretreatment	UNI EN ISO 105-D01:2010 + ISO 8096:2005 + Cor 1:2005 annex F
* 16276	Rubber or plastics coated fabrics. Pretreatment at low temperature	ISO 8096:2005 + Cor 1:2005 annex G
16277	Rubber or plastics coated fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + ISO 8096:2005 annex C, D, E, F and G + Cor 1:2005
16269	Rubber or plastics coated fabrics. Test of resistance to water penetration. Increasing hydrostatic pressure	ISO 811:2018 + ISO 8096:2005 annex C, D, E, F e G + Cor 1:2005
* 16278	Rubber or plastics coated fabrics. Coating adhesion	ISO 8096:2005 + Cor 1:2005 annex H
* 16280	Rubber or plastics coated fabrics. Resistance to adhesion (blocking)	UNI EN 25978:1996 + ISO 8096:2005 + Cor 1:2005
16279	Rubber or plastic coated fabrics. Surface wetting. Spray test	UNI EN ISO 4920:2013 + ISO 8096:2005 + Cor 1:2005
16281	Fabrics coated with polymeric materials. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A1 + ISO 8096:2005 + Cor 1:2005
* 16282	Rubber or plastics coated fabrics. Colour fastness to washing	UNI EN ISO 105-C10:2008 + ISO 8096:2005 + Cor 1:2005
16283	Rubber or plastics coated fabrics. Colour fastness to rubbing: organic solvents	UNI EN ISO 105-D02:2016 + ISO 8096:2005 + Cor 1:2005
16284	Fabrics coated with polymeric materials. Colour fastness to rubbing	UNI EN ISO 105-X12:2016 + ISO 8096:2005 + Cor 1:2005

LEATHER

Tests

Code	Description	Methods
* 13106	Leather. Identification of leather with microscopy	ISO 17131:2020
20503	Leather. Colour fastness to water	UNI EN ISO 11642:2013
20502	Leather. Colour fastness to perspiration	UNI EN ISO 11641:2013
20500	Leather. Colour fastness to cycles of to-and-fro rubbing	UNI EN ISO 11640:2018
20501	Leather. Colour fastness to water spotting	UNI EN ISO 15700:2000
20504	Leather. Colour fastness to migration into plasticized poly(vinyl chloride)	UNI EN ISO 15701:2015
* 20505	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A1
* 20506	Leather. Colour fastness to rubbing	UNI EN ISO 105-X12:2016
20507	Leather. Colour fastness of small sample to organic solvents	UNI EN ISO 11643:2009
* 20508	Leather. Tests for colour fastness. Change in colour with accelerated ageing (by heat alone)	UNI EN ISO 17228:2015 (chapter 6)
* 20509	Leather. Tests for colour fastness. Change in colour with accelerated ageing (by heat and elevated humidity)	UNI EN ISO 17228:2015 (chapter 7)
* 20510	Leather. Tests for colour fastness. Change in colour with accelerated ageing (under cyclic temperature/humidity conditions)	UNI EN ISO 17228:2015 (chapter 8)
* 20511	Leather. Tests for colour fastness. Colour fastness to saliva	ISO 20701:2017
* 35508	Leather. Treatments of accelerated ageing (by heat alone)	UNI EN ISO 17228:2015 (chapter 6)
* 35509	Leather. Treatments of accelerated ageing (by heat and elevated humidity)	UNI EN ISO 17228:2015 (chapter 7)
* 35510	Leather. Treatments of accelerated ageing (under cyclic temperature/humidity conditions)	UNI EN ISO 17228:2015 (chapter 8)
* 14172	Leather. Determination of the static absorption of water	UNI EN ISO 2417:2016
* 14173	Leather. Determination of water vapour permeability	UNI EN ISO 14268:2012
* 14174	Leather. Determination of water vapour absorption	UNI EN ISO 17229:2016
* 14175	Leather. Dimensional stability. Swelling, dimensional increase, contraction	UNI 8481:2010
* 14177	Leather. Dimensional stability. Swelling	UNI 8481:2010
* 14178	Leather. Dimensional stability. Dimensional increase	UNI 8481:2010
* 14179	Leather. Dimensional stability. Contraction	UNI 8481:2010
* 14176	Leather. Shrinkage temperature up to 100 degrees C	UNI EN ISO 3380:2015
* 14433	Leather. Determination of water-soluble matter, water-soluble inorganic matter and water soluble organic matter	UNI EN ISO 4098:2018
* 18057	Leather. Chemical test. Determination of matter soluble in dichloromethane and free fatty acid content	UNI EN ISO 4048:2018, EN ISO 4048:2018, ISO 4048:2018
* 14153	Leather. Measurement of stitch tear resistance	UNI EN ISO 23910:2019
* 14154	Leather. Abrasion resistance. Martindale ball plate method	UNI EN ISO 17076-2:2011
* 14155	Leather. Abrasion resistance. Taber method	UNI EN ISO 17076-1:2020
* 14156	Leather. Test of adhesion of finish	UNI EN ISO 11644:2009
* 14157	Leather. Stitching resistance of flexible leathers	UNI 10606:2009
* 14158	Leather. Determination of distension and strength of grain. Ball burst test method	UNI EN ISO 3379:2015
* 14159	Leather. Water resistance of heavy leathers	UNI EN ISO 5404:2012
* 14161	Leather. Thickness	UNI EN ISO 2589:2016
* 14163	Leather. Determination of surface coating thickness	UNI EN ISO 17186:2012
14162	Leather. Single edge tear	UNI EN ISO 3377-1:2012
14164	Leather. Double edge tear	UNI EN ISO 3377-2:2016
* 14165	Leather. Apparent density	UNI EN ISO 2420:2017
14166	Leather. Tensile strength and percentage extension	UNI EN ISO 3376:2020
* 14167	Leather. Resistance to grain cracking and grain crack index	UNI EN ISO 3378:2005
* 14168	Leather. Flex resistance. Flexometer method	UNI EN ISO 5402-1:2017
* 14169	Leather. Water resistance of flexible leather. Repeated linear compression (penetrometer)	UNI EN ISO 5403-1:2012

* 14192	Leather. Determination of stiffness	UNI EN ISO 17235:2015
* 62399	Leather. Preparation of chemical test sample	ISO 4044:2017
* 62376	Leather. pH of wet blue	ASTM D6657-14Ae1
62360	Leather. pH	UNI EN ISO 4045:2018
62369	Leather. Formaldehyde using liquid chromatography	UNI EN ISO 17226-1:2021
* 62361	Leather. Formaldehyde using colorimetric analysis	UNI EN ISO 17226-2:2019
* 62370	Leather. Formaldehyde emissions	UNI EN ISO 17226-3:2008
62368	Leather. Extractable metal content	UNI EN ISO 17072-1:2019
* 62380	Leather. Chromic oxide content by ICP-OES	UNI EN ISO 5398-4:2019
* 62400	Leather. Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 1: Acetonitrile extraction method	UNI EN ISO 13365-1:2020
* 62371	Leather. Volatile substances	UNI EN ISO 4684:2006
* 62386	Leather. Carcinogenic dyestuffs	UNI EN ISO 16373-3:2014
* 62390	Textiles, Accessories. Solvent residues (N,N-dimethylacetamide, 1-methyl-2-pyrrolidone, dimethylformamide)	ISO 19070:2016
62367	Leather. Total metal content	UNI EN ISO 17072-2:2019
* 62388	Leather. Chromatographic analysis (quantitative test)	Solvent extraction and chromatographic analysis with mass detector (GC/MS or LC/MS)
62363	Leather. Hexavalent chromium	UNI EN ISO 17075-1:2017
* 62337	Leather. Hexavalent chromium	UNI EN ISO 17075-2:2017
* 62372	Leather. Hexavalent chromium after aging	ISO 10195:2018 + UNI EN ISO 17075-1:2017
* 62379	Leather. Hexavalent chromium after aging	ISO 10195:2018 + UNI EN ISO 17075-2:2017
62221	Leather. Aromatic amines derived from azocolorants	UNI EN ISO 17234-1:2020
62218	Leather. 4-aminoazobenzene from azocolorants	UNI EN ISO 17234-2:2011
62362	Leather. Pentachlorophenol and tetrachlorophenols	UNI EN ISO 17070:2015
* 62407	Leather. Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 2: Artificial perspiration extraction method	UNI EN ISO 13365-2:2020
* 62381	Leather. Alkylphenolethoxylates (direct method)	ISO 18218-1:2015
* 62382	Leather. Alkylphenolethoxylates (indirect method)	ISO 18218-2:2019
* 62383	Leather. Perfluorinated compounds	UNI CEN/TS 15968:2010
* 62384	Leather. Perfluorinated compounds - complete offer	UNI CEN/TS 15968:2010
* 62269	Leather. Perfluorinated compounds - complete offer	UNI EN ISO 23702-1:2019
* 62385	Leather. Allergenic/carcinogenic disperse dyestuffs	DIN 54231:2005
* 62387	Leather. Short chain chlorinated paraffins (SCCPs)	UNI EN ISO 18219-1:2022
* 62391	Leather. Medium chain chlorinated paraffins (MCCPs)	UNI EN ISO 18219-2:2022
* 62389	Leather. Polycyclic aromatic hydrocarbons	UNI CEN ISO/TS 16190:2021

COLOURANTS, PIGMENTS AND AUXILIARIES

Tests

Code	Description	Methods
* 68369	Colourants, pigments and auxiliaries. Free and hydrolyzed formaldehyde using liquid chromatography	MIP 135:2014 Rev.0
* 68361	Auxiliaries. Free formaldehyde	UNI EN ISO 27587:2021
* 68217	Auxiliaries. Free formaldehyde	ISO 9020:2001
* 68011	Colourants. Soluble metals in hydrochloric acid (As, Ba, Cd, Cr, Hg, Pb, Se, Sb)	Resolution of the Council of Europe AP 89 (1)
* 62310	Colourants, pigments and auxiliaries. Total content of heavy metals	UNI EN 16711-1:2015
* 68117	Colourants, pigments and auxiliaries. Total Mercury	UNI EN 16711-1:2015
68219	Colourants, pigments and auxiliaries. Aromatic amines derived from azocolourants	UNI EN ISO 14362-1:2017 Annex F
* 68216	Colourants, pigments and auxiliaries. 4-aminoazobenzene from azocolourants	UNI EN ISO 14362-3:2017
* 68225	Colourants, pigments and auxiliaries. Sulphonated aromatic amines	Resolution of the Council of Europe AP 89 (1)
* 68226	Colourants, pigments and auxiliaries. Unsulphonated aromatic amines	Resolution of the Council of Europe AP 89 (1)
* 68220	Colourants, pigments and auxiliaries. Free aromatic amines	MIP 138:2014 Rev.0
* 68214	Colourants, pigments and auxiliaries. Organotin compounds	MIP 132:2014 Rev.0
* 68222	Colourants, pigments and auxiliaries. Allergenic disperse dyestuffs	DIN 54231:2005
* 68215	Colourants, pigments and auxiliaries. Chlorinated benzenes and toluenes	UNI EN 17137:2019
* 68330	Colourants, pigments and auxiliaries. Diethanolamine and triethanolamine	Solvent extraction and chromatographic analysis with mass detector (LC-MS)
* 68331	Colourants, pigments and auxiliaries. Quinoline	Solvent solubilization and chromatographic analysis with triple quadrupole mass detector (LC/MS/MS)
* 68332	Colourants, pigments and auxiliaries. Styrene	Quantitative analysis by static headspace coupled with gaschromatograph with mass detector
* 68335	Binders for paints and varnishes. Monomeric diisocyanates	UNI EN ISO 10283:2008
* 62234	Auxiliaries. Epichlorohydrin	UNI EN 14207:2003
* 68312	Auxiliaries. Alkylphenoethoxylates (NPEO, OPEO)	MIP 131:2017 Rev.1
68313	Colourants, pigments and auxiliaries. Alkylphenoethoxylates (NPEO, OPEO)	ISO 18254-1:2016
* 68229	Auxiliaries. Alkylphenols (NP, OP)	MIP 130:2014 Rev.0
* 68308	Colourants, pigments and auxiliaries. Polychlorinated biphenyls (PCB)	US EPA 608 + Resolution of the Council of Europe AP 89 (1)
* 68309	Textiles, activated carbon. Determination iodine number	MIP 139:2016 Rev.0

CHILDREN'S GARMENT. SAFETY

Tests

Code	Description	Methods
14783	Children's clothing. Safety specifications for cords and drawstrings	UNI EN 14682:2015 + EC 1:2015
14784	Children's clothing. Safety specifications for cords and drawstrings	GB/T 22705:2019
* 14785	Children's clothing. Safety specification for drawstrings	ASTM F1816-18
14786	Children's clothing. Standard safety size for drawstrings	GB/T 22702:2019
14779	Children's clothing. Determination of removal force of attached components	CPSC 16 CFR 1500.51:2012 (par. F 0-18 months) CPSC 16 CFR 1500.52:2012 (par. F 19-36 months) CPSC 16 CFR 1500.53:2012 (par. F 37-96 months)
* 14788	Children's clothing. Recommendations for the design and manufacture of children's clothing. Mechanical safety	PD CEN/TR 16792:2014 Annex B - Grippable components
* 14789	Children's clothing. Recommendations for the design and manufacture of children's clothing. Mechanical safety	PD CEN/TR 16792:2014 Annex H - Small parts
14780	Toys and other articles intended for use by children under 3 years of age. Choking, aspiration or ingestion hazard caused by small parts	CPSC 16 CFR 1501 [except 1501.4 (b) (2)]
* 14778	Toys and other articles intended for use by children under 8 years of age. Sharp point (depth of penetration)	CPSC 16 CFR 1500.48:2012
* 14777	Toys and other articles intended for use by children under 8 years of age. Sharp edge (cutting length)	CPSC 16 CFR 1500.49:2012
* 14776	Children's clothing. Torque component attached	CPSC 16 CFR 1500.51:2012 (par. F 0-18 months) CPSC 16 CFR 1500.52:2012 (par. F 19-36 months) CPSC 16 CFR 1500.53:2012 (par. F 37-96 months)

TOYS

Tests

Code	Description	Methods
* 67100	Toys and other articles intended for use by children under 3 years of age. Migrations of certain elements (Sb, As, Ba, Cd, Cr, Pb, Hg, Se)	UNI EN 71-3:2002 + EC 1-2004 + D.Lgs. n. 54 of 11/04/2011, GU n. 96 of 27/4/2011
67101	Toys and other articles intended for use by children under 3 years of age. Migrations of certain elements (Al, Sb, As, Ba, B, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn)	UNI EN 71-3:2021
* 67105	Toys and other articles intended for use by children under 3 years of age. Trivalent chromium and hexavalent chromium	UNI EN 71-3:2021
67214	Toys and other articles intended for use by children under 3 years of age. Organotin compounds	UNI EN 71-3:2021
* 67225	Toys and other articles intended for use by children under 3 years of age. Phthalates	UNI EN 14372:2005 Par. 6.3.2
* 68338	Child use and care articles. 2,2-bis(4-hydroxyphenyl)propane [Bisphenol A]	UNI EN 14350-2 Part 5.5
* 67230	Child use and care articles. N-nitrosamines and N-nitrosatable substances	UNI EN 12868:2017
* 67001	Toys. Textiles parts. Flame retardants: PBDE, octa-BDE, tri-o-cresylphosphate, TCEP	UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2
* 67002	Toys. Textiles parts. Colourants	UNI EN 71-10:2006 Par. 8.1.3 + UNI EN 71-11:2006 Par. 5.3
* 67003	Toys. Textiles parts. Primary aromatic amines	UNI EN 71-10:2006 Par. 8.1.4 + UNI EN 71-11:2006 Par. 5.4
* 67004	Toys. Plastics. Migration of acrylamide	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.5.1
* 67005	Toys. Plastics. Migration of phenol and bisphenol A	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.5.2
* 67006	Toys. Plastics. Migration of formaldehyde	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.5.3
* 67007	Toys. Plastics. Migration of trichloroethylene and dichloromethane	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.5.4
* 67010	Toys. Plastics. Migration of tricresylphosphate (isomers) and triphenylphosphate	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.8
62323	Toys. Surface coating materials. Migration of certain elements (Sb, As, Ba, Cd, Pb, Hg, Se)	ASTM F 963-17 sec. 4.3.5.2
14780	Toys and other articles intended for use by children under 3 years of age. Choking, aspiration or ingestion hazard caused by small parts	CPSC 16 CFR 1501 [except 1501.4 (b) (2)]
* 14778	Toys and other articles intended for use by children under 8 years of age. Sharp point (depth of penetration)	CPSC 16 CFR 1500.48:2012
* 14777	Toys and other articles intended for use by children under 8 years of age. Sharp edge (cutting length)	CPSC 16 CFR 1500.49:2012

FOOTWEAR

Tests

Code	Description	Methods
* 18000	Footwear. Test methods for uppers, lining and insocks. Tear strength	UNI EN ISO 17696:2018, EN ISO 17696:2018, ISO 17696:2004
18001	Footwear. Uppers, lining and insocks. Abrasion	UNI EN 13520:2006
* 18002	Footwear. Uppers and lining. Flex resistance	UNI EN 13512:2002
* 18003	Footwear. Test methods for uppers. Resistance to damage on lasting	UNI EN ISO 17693:2006, EN ISO 17693:2005, ISO 17693:2004
* 18004	Footwear. Test method for insoles and insocks. Water absorption and desorption	UNI EN 12746:2008 - Method A
* 18005	Footwear. Determination of upper/outsole and sole interlayer bond strength	EN ISO 20344-5.2:2011
* 18006	Footwear. Determination of tear strength of the upper, lining and/or tongue	EN ISO 20344-6.3:2011/ISO 3377-2:2016
* 18011	Footwear. Labelling	Directive 94/11/EC of European Parliament and Council of 23 March 1994
* 18012	Footwear. Water vapour permeability and absorption	ISO 17699:2003
* 18013	Footwear. Abrasion resistance	ISO 17704:2004
* 18014	Footwear. Test methods for outsoles. Abrasion resistance	ISO 20871:2018
* 18015	Footwear. Test methods for outsoles. Dimensional stability	ISO 20873:2018
* 18016	Footwear. Test methods for uppers and lining. Flex resistance	UNI EN ISO 17694:2016, EN ISO 17694:2016, ISO 17694:2016
* 18017	Footwear. Test methods for uppers. Water resistance	UNI EN ISO 17702:2018, EN ISO 17702:2018, ISO 17702:2003
* 18018	Footwear. Test methods for uppers. Tensile strength and elongation	UNI EN ISO 17706:2018, EN ISO 17706:2018, ISO 17706:2003
* 18019	Footwear. Test methods for outsoles. Flex resistance	UNI EN ISO 17707:2005, EN ISO 17707:2005, ISO 17707:2005
* 18058	Footwear. Test methods for uppers, lining and insocks. Seam strength	UNI EN ISO 17697:2016, EN ISO 17697:2016, ISO 17697:2016
* 18059	Footwear. Test methods for uppers, lining and insocks. Colour migration	UNI EN ISO 17701:2016, EN ISO 17701:2016, ISO 17701:2016
* 18060	Footwear. Test methods for uppers. High temperature behaviour	EN ISO 17703:2018, ISO 17703:2003
* 18061	Footwear. Test methods for outsoles. Compression energy	ISO 20865:2002
* 18062	Footwear. Test methods for outsoles. Determination of split tear strength and delamination resistance	ISO 20875:2018
* 18063	Footwear. Test methods for insoles, lining and insocks. Perspiration resistance	ISO 22652:2002
* 18064	Footwear. Test methods for lining and insocks. Static friction	UNI EN ISO 22653:2018, EN ISO 22653:2018, ISO 22653:2003
* 18065	Footwear. Test method for whole shoe. Upper sole adhesion	UNI EN ISO 17708:2018, EN ISO 17708:2018, (SASO) ISO 17708:2018
* 18066	Personal protective equipment. Footwear. Test methods for slip resistance	UNI EN ISO 13287:2019, EN ISO 13287:2019, (SASO) ISO 13287:2020
* 18067	Footwear. Test methods for insole and insock. Determination of water absorption and desorption of insole and insock. Method A	UNI EN ISO 22649:2016, EN ISO 22649:2016, ISO 22649:2016
* 18068	Footwear. Test methods for insole and insock. Determination of water absorption and desorption of insole and insock. Method B	UNI EN ISO 22649:2016, EN ISO 22649:2016, ISO 22649:2016
* 18076	Footwear. Test methods for outsoles. Outsoles abrasion resistance	EN 12770:1999 UNI EN 12770:2001 ISO 20871:2018

* 18077	Footwear. Test methods for outsoles. Tear strength of outsoles	EN 12771:1999 UNI EN 12771:2001 ISO 20872:2018
* 18078	Footwear. Test methods for outsoles. Tensile strength and elongation of outsoles	EN 12803:2000 + AC 2002 UNI EN 12803:2001 + ECD 1 2004 ISO 22654:2002
* 18079	Footwear. Test methods for upper, lining and insock. Tear strength	UNI EN 13571:2002 EN 13571:2001
* 18080	Footwear. Test methods for upper, lining and insock. Seams strength	ISO 17697:2016 Method A EN ISO 17697:2016 Method A UNI EN ISO 17697:2016 Method A
* 18081	Moulded plastics footwear. Hydrolisis resistance	ISO 5423:1992 Annex E/B + ISO 37:2017
* 18082	Footwear. Test methods for outsoles. Compression energy	EN 12743:1999 + AC 2001 UNI EN 12743:2001 ISO 20865:2002
* 18083	Plastics and ebonite. Shore hardness	UNI EN ISO 868:2005 ISO 868:2003
* 18084	Footwear. Test methods for heels. Fatigue resistance	UNI EN ISO 19956:2005 EN ISO 19956:2004 ISO 19956:2004
* 18111	Footwear. Rigidity test	EN ISO 20344:2011 Par. 8.4.1 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.4.1 ISO 20344:2011 Par. 8.4.1 SASO ISO 20344:2012 Par. 8.4.1
* 14160	Shoes. Aging test with walkmeter	Method required by customer
* 20352	Footwear. Test methods for upper components and insocks. Colour fastness to rubbing and bleeding	UNI EN ISO 17700:2019 Method A, EN ISO 17700:2019 Method A, ISO 17700:2019 Method A
* 20353	Footwear. Test methods for upper components and insocks. Colour fastness to rubbing and bleeding	UNI EN ISO 17700:2019 Method C, EN ISO 17700:2019 Method C, ISO 17700:2019 Method C
* 62800	Footwear. Preparation of samples	UNI EN 14602:2012 Point 4
* 62810	Footwear. Organotin compounds	UNI CEN ISO/TS 16179:2012
* 62825	Footwear. Phthalates with solvent extraction	ISO 16181-1:2021
* 62826	Footwear. Dimethylfumarate	UNI CEN ISO/TS 16186:2022
* 62827	Footwear. Dimethylformamide	UNI CEN ISO/TS 16189:2022
62360	Leather. pH	UNI EN ISO 4045:2018
62369	Leather. Formaldehyde using liquid chromatography	UNI EN ISO 17226-1:2021
62368	Leather. Extractable metal content	UNI EN ISO 17072-1:2019
62367	Leather. Total metal content	UNI EN ISO 17072-2:2019
62363	Leather. Hexavalent chromium	UNI EN ISO 17075-1:2017
* 62337	Leather. Hexavalent chromium	UNI EN ISO 17075-2:2017
* 62372	Leather. Hexavalent chromium after aging	ISO 10195:2018 + UNI EN ISO 17075-1:2017
* 62379	Leather. Hexavalent chromium after aging	ISO 10195:2018 + UNI EN ISO 17075-2:2017
62221	Leather. Aromatic amines derived from azocolorants	UNI EN ISO 17234-1:2020
62218	Leather. 4-aminoazobenzene from azocolorants	UNI EN ISO 17234-2:2011
62362	Leather. Pentachlorophenol and tetrachlorophenols	UNI EN ISO 17070:2015

* 62407	Leather. Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 2: Artificial perspiration extraction method	UNI EN ISO 13365-2:2020
* 62381	Leather. Alkylphenoethoxylates (direct method)	ISO 18218-1:2015
* 62382	Leather. Alkylphenoethoxylates (indirect method)	ISO 18218-2:2019
* 62383	Leather. Perfluorinated compounds	UNI CEN/TS 15968:2010
* 62384	Leather. Perfluorinated compounds - complete offer	UNI CEN/TS 15968:2010
* 62385	Leather. Allergenic/carcinogenic disperse dyestuffs	DIN 54231:2005
* 62387	Leather. Short chain chlorinated paraffins (SCCPs)	UNI EN ISO 18219-1:2022
* 62389	Leather. Polycyclic aromatic hydrocarbons	UNI CEN ISO/TS 16190:2021
* 62269	Leather. Perfluorinated compounds - complete offer	UNI EN ISO 23702-1:2019
62470	Textiles. pH of aqueous extract	UNI EN ISO 3071:2020
62412	Textiles. Free and hydrolized formaldehyde. Aqueous extraction method	UNI EN ISO 14184-1:2011
62114	Metal accessories. Release of nickel	UNI EN 1811:2015
62123	Textiles, Accessories. Extractable heavy metals (As, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb) in liquid extracts (acid perspiration)	UNI EN 16711-2:2015
62330	Textiles, Accessories. Alkylphenols (NP, OP)	UNI EN ISO 21084:2019
* 62312	Textiles, Accessories. Alkylphenoethoxylates (NPEO, OPEO)	MIP 131:2017 Rev.1
62325	Textiles, Accessories. Alkylphenoethoxylates (NPEO, OPEO)	ISO 18254-1:2016
62208	Textiles, Accessories. Tetrachlorophenols and pentachlorophenol (TeCP and PCP)	UNI 11057:2003
62213	Textiles, Accessories. Polycyclic aromatic hydrocarbons	AfPS GS 2019:01
* 62214	Textiles, Accessories. Tin organic compounds	MIP 132:2014 Rev.0
62235	Textiles, Accessories. Chlorinated benzenes and toluenes	DIN 54232:2010
62219	Textiles, Accessories. Aromatic amines derived from azocolorants	UNI EN ISO 14362-1:2017
62229	Textiles, Accessories. Aromatic amines derived from azocolorants (without extraction)	UNI EN ISO 14362-1:2017
62216	Textiles, Accessories. 4-aminoazobenzene from azocolorants	UNI EN ISO 14362-3:2017
62220	Textiles, Accessories. Aromatic amines derived from azocolorants (with extraction)	UNI EN ISO 14362-1:2017
62217	Textiles, Accessories. 4-aminoazobenzene from azocolorants accessible by extracting the fibres	UNI EN ISO 14362-3:2017
* 62222	Textiles, Accessories. Allergenic/carcinogenic disperse dyestuffs	DIN 54231:2005
62225	Textiles, Accessories. Phthalates	UNI EN ISO 14389:2014
62232	Textiles, Accessories. Perfluorinated compounds	UNI CEN/TS 15968:2010
62238	Textiles, Accessories. Perfluorinated compounds - complete offer	UNI CEN/TS 15968:2010
* 62233	Textiles. Dimethyl fumarate	UNI CEN ISO/TS 16186:2022
* 62265	Textiles. Determination of certain flame retardants Brominated flame retardants	UNI EN ISO 17881-1:2016
* 62266	Textiles. Determination of certain flame retardants Phosphorus flame retardants	UNI EN ISO 17881-2:2016
* 62267	Textiles, Accessories. Chinolin	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2020
* 62268	Textiles, Accessories. Determination of organotin compounds - Part 1: method using gas chromatography	EN ISO 22744-1:2020
* 62270	Textiles, Accessories. Polycyclic aromatic hydrocarbons	UNI EN 17132:2019

SAFETY FOOTWEAR

Safety footwear - Personal protective equipment - Test methods for footwear - EN ISO 20344:2011

Code	Description	Methods
* 18020	Safety footwear. Specific ergonomic features	EN ISO 20344:2011 Par. 5.1 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.1 ISO 20344:2011 Par. 5.1 SASO ISO 20344:2012 Par. 5.1
* 18021	Safety footwear. Upper/outsoles and sole interlayer bond strength	EN ISO 20344:2011 Par. 5.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.2 ISO 20344:2011 Par. 5.2 SASO ISO 20344:2012 Par. 5.2 ISO 20875:2018
* 18022	Safety footwear. Internal toecap length	EN ISO 20344:2011 Par. 5.3 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.3 ISO 20344:2011 Par. 5.3 SASO ISO 20344:2012 Par. 5.3
* 18023	Safety footwear. Impact resistance	EN ISO 20344:2011 Par. 5.4 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.4 ISO 20344:2011 Par. 5.4 SASO ISO 20344:2012 Par. 5.4
* 18024	Safety footwear. Compression resistance	EN ISO 20344:2011 Par. 5.5 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.5 ISO 20344:2011 Par. 5.5 SASO ISO 20344:2012 Par. 5.5
* 18025	Safety footwear. Corrosion resistance metallic toecaps and metallic insert	EN ISO 20344:2011 Par. 5.6.1 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.6.1 ISO 20344:2011 Par. 5.6.1 SASO ISO 20344:2012 Par. 5.6.1
* 18007	Safety footwear. The behaviour of metallic toecaps	EN ISO 20344:2011 Par. 5.6.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.6.2 ISO 20344:2011 Par. 5.6.2 SASO ISO 20344:2012 Par. 5.6.2
* 18008	Safety footwear. Behaviour of insert (thermal and chemical)	EN ISO 20344:2011 Par. 5.6.3 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.6.3 ISO 20344:2011 Par. 5.6.3 SASO ISO 20344:2012 Par. 5.6.3



* 18026	Safety footwear. Determination of leakproofness	EN ISO 20344:2011 Par. 5.7 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.7 ISO 20344:2011 Par. 5.7 SASO ISO 20344:2012 Par. 5.7
* 18027	Safety footwear. Dimensional conformity of insert and the penetration resistance of the sole	EN ISO 20344:2011 Par. 5.8 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.8 ISO 20344:2011 Par. 5.8 SASO ISO 20344:2012 Par. 5.8
* 18028	Safety footwear. Flex resistance of penetration - resistance inserts	EN ISO 20344:2011 Par. 5.9 + EN 12568:2010 Par. 7.2.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.9 + UNI EN 12568:2010 Par. 7.2.2 ISO 20344:2011 Par. 5.9 + EN 12568:2010 Par. 7.2.2 SASO ISO 20344:2012 Par. 5.9 + EN 12568:2010 Par. 7.2.2
* 18029	Safety footwear. Electrical resistance	EN ISO 20344:2011 Par. 5.10 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.10 ISO 20344:2011 Par. 5.10 SASO ISO 20344:2012 Par. 5.10 UNI EN 15090:2012 Par. 6.6.3 + UNI EN ISO 20345:2012 Par. 6.2.2.2 EN 15090:2012 Par. 6.6.3 + EN ISO 20345:2011 Par. 6.2.2.2
* 18030	Safety footwear. Footwear slip resistance	EN ISO 20344:2011 Par. 5.11 + EN ISO 13287:2019 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.11 + UNI EN ISO 13287:2019 ISO 20344:2011 Par. 5.11 + ISO 13287:2019 SASO ISO 20344:2012 Par. 5.11 + ISO 13287:2019
* 18031	Safety footwear. Footwear insulation against heat	EN ISO 20344:2011 Par. 5.12 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.12 ISO 20344:2011 Par. 5.12 SASO ISO 20344:2012 Par. 5.12 UNI EN 15090:2012 Par. 7.1 + UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.12 EN 15090:2012 Par. 7.1 + EN ISO 20344:2011 Par. 5.12 UNI EN ISO 20349-1:2017 + EC 1:2018 Par. 7.6 + UNI EN ISO 20344:2012 Par. 5.12 EN ISO 20349-1:2017 + EC 1:2018 Par. 7.6 + EN ISO 20344:2011 Par. 5.12



* 18032	Safety footwear. Footwear insulation against cold	EN ISO 20344:2011 Par. 5.13 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.13 ISO 20344:2011 Par. 5.13 SASO ISO 20344:2012 Par. 5.13
* 18033	Safety footwear. Energy absorption of the seat region	EN ISO 20344:2011 Par. 5.14 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.14 ISO 20344:2011 Par. 5.14 SASO ISO 20344:2012 Par. 5.14
* 18034	Safety footwear. Whole footwear water resistance	EN ISO 20344:2011 Par. 5.15.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.15.2 ISO 20344:2011 Par. 5.15.2 SASO ISO 20344:2012 Par. 5.15.2
* 18035	Safety footwear. Impact resistance of a metatarsal protective device	EN ISO 20344:2011 Par. 5.16 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.16 ISO 20344:2011 Par. 5.16 SASO ISO 20344:2012 Par. 5.16
* 18036	Safety footwear. Shock absorption capacity of ankle protection materials	EN ISO 20344:2011 Par. 5.17 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 5.17 ISO 20344:2011 Par. 5.17 SASO ISO 20344:2012 Par. 5.17
* 18037	Safety footwear. Upper thickness	EN ISO 20344:2011 Par. 6.1 + ISO 23529:2010 Met. A UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.1 + UNI ISO 23529:2010 Met. A ISO 20344:2011 Par. 6.1 + ISO 23529:2010 Met. A SASO ISO 20344:2012 Par. 6.1 + ISO 23529:2010 Met. A



* 18038	Safety footwear. Upper height	EN ISO 20344:2011 Par. 6.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.2 ISO 20344:2011 Par. 6.2 SASO ISO 20344:2012 Par. 6.2 UNI EN ISO 20345:2012 Par. 5.2.1 + Par. 5.2.2 EN ISO 20345:2011 Par. 5.2.1 + Par. 5.2.2 ISO 20345:2011 Par. 5.2.1 + Par. 5.2.2 SASO ISO 20345:2011 Par. 5.2.1 + Par. 5.2.2 UNI EN 15090:2012 Par. 4.2 + UNI EN ISO 20345:2012 Par. 4 EN 15090:2012 Par. 4.2 + EN ISO 20345:2011 Par. 4 UNI EN ISO 17249:2014 Par. 6.2 EN ISO 17249:2013 + AC:2014 Par. 6.2 ISO 17249:2013 Par. 6.2 UNI EN ISO 20349-1:2017 + EC 1:2018 Par. 7.1 + UNI EN ISO 20345:2012 Par. 5.2.2 EN ISO 20349-1:2017 + EC 1:2018 Par. 7.1 + EN ISO 20345:2011 Par. 5.2.2 ISO 20349-1:2017 + EC 1:2018 Par. 7.1 + ISO 20345:2011 Par. 5.2.2
* 18039	Safety footwear. Tear strength of the upper, lining and/or tongue in leather	EN ISO 20344:2011 Par. 6.3 + UNI EN ISO 3377-2:2016 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.3 + EN ISO 3377-2:2016 ISO 20344:2011 Par. 5.16 + ISO 3377-2:2016 SASO ISO 20344:2012 Par. 5.16 + ISO 3377-2:2016
* 18009	Safety footwear. Tear strength of the upper, lining and/or tongue in coated materials or textile	EN ISO 20344:2011 Par. 6.3 + EN ISO 4674-1:2003 met. B UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.3 + UNI EN ISO 4674-1:2005 met. B ISO 20344:2011 Par. 5 + ISO 4674-1:2003 Met. B SASO ISO 20344:2012 Par. 5.16 + ISO 4674-1:2003 Met. B



* 18040	Safety footwear. Tensile properties of leather split upper	EN ISO 20344:2011 Par. 6.4 + ISO 3376:2020 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.4 + ISO 3376:2020 ISO 20344:2011 Par. 6.4 + ISO 3376:2020 SASO ISO 20344:2012 Par. 6.4 + ISO 3376:2020
* 18010	Safety footwear. Determination of the breaking force of rubber boots upper	EN ISO 20344:2011 Par. 6.4.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.4.2 ISO 20344:2011 Par. 6.4.2 SASO ISO 20344:2012 Par. 6.4.2
* 18069	Safety footwear. Polimeric upper breaking force	EN ISO 20344:2011 Par. 6.4 + ISO 4643:1992 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.4 + ISO 4643:1992 ISO 20344:2011 Par. 6.4 + ISO 4643:1992 SASO ISO 20344:2012 Par. 6.4 + ISO 4643:1992
* 18041	Safety footwear. Polimeric upper flexing resistance	EN ISO 20344:2011 Par. 6.5.1 + ISO 4643:1992 Appendix B UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.5.1 + ISO 4643:1992 Appendix B ISO 20344:2011 Par. 6.5.1 + ISO 4643:1992 Appendix B SASO ISO 20344:2012 Par. 6.5.1 + ISO 4643:1992 Appendix B
* 18070	Safety footwear. Elastomeric upper flexing resistance	EN ISO 20344:2011 Par. 6.5.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.5.2 ISO 20344:2011 Par. 6.5.2 SASO ISO 20344:2012 Par. 6.5.2
* 18042	Safety footwear. Water vapor permeability (WVP)	EN ISO 20344:2011 Par. 6.6 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.6 ISO 20344:2011 Par. 6.6 SASO ISO 20344:2012 Par. 6.6
* 18071	Safety footwear. Water vapor absorption (WVA)	EN ISO 20344:2011 Par. 6.7 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.7 ISO 20344:2011 Par. 6.7 SASO ISO 20344:2012 Par. 6.7
* 18043	Safety footwear. Water vapour coefficient	EN ISO 20344:2011 Par. 6.8 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.8 ISO 20344:2011 Par. 6.8 SASO ISO 20344:2012 Par. 6.8



* 18072	Safety footwear. pH value	EN ISO 20344:2011 Par. 6.9 + EN ISO 4045:2018 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.9 + UNI EN ISO 4045:2018 ISO 20344:2011 Par. 6.9 + ISO 4045:2018
* 18044	Safety footwear. Upper hydrolysis resistance	EN ISO 20344:2011 Par. 6.10 + ISO 5423:1992 Appendix B + ISO 5423:1992 Appendix E UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.10 + ISO 5423:1992 Appendix B + ISO 5423:1992 Appendix E ISO 20344:2011 Par. 6.10 + ISO 5423:1992 Appendix B + ISO 5423:1992 Appendix E SASO ISO 20344:2012 Par. 6.10 + ISO 5423:1992 Appendix B + ISO 5423:1992 Appendix E
* 18073	Safety footwear. Chromium VI content	EN ISO 20344:2011 Par. 6.11 + ISO 17075-2:2017 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.11 + UNI EN ISO 17075-2:2017 ISO 20344:2011 Par. 6.9 + ISO 17075-2:2017
* 18045	Safety footwear. Abrasion resistance of lining and insock	EN ISO 20344:2011 Par. 6.12 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.12 ISO 20344:2011 Par. 6.12 SASO ISO 20344:2012 Par. 6.12
* 18046	Safety footwear. Upper water penetration and absorption	EN ISO 20344:2011 Par. 6.13 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.13 ISO 20344:2011 Par. 6.13 SASO ISO 20344:2012 Par. 6.13
* 18074	Safety footwear. Upper cutting resistance	EN ISO 20344:2011 Par. 6.14 + EN 388:2016 + A1:2018 Par. 6.2.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.14 + UNI EN 388:2019 Par. 6.2.2 ISO 20344:2011 Par. 6.14 + EN 388:2016 + A1:2018 Par. 6.2.2 SASO ISO 20344:2012 Par. 6.14 + EN 388:2016 + A1:2018 Par. 6.2.2
* 18047	Safety footwear. Insole thickness	EN ISO 20344:2011 Par. 7.1 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 7.1 ISO 20344:2011 Par. 7.1 SASO ISO 20344:2012 Par. 7.1



* 18048	Safety footwear. Water absorption and desorption of insole and insock	EN ISO 20344:2011 Par. 7.2 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 7.2 ISO 20344:2011 Par. 7.2 SASO ISO 20344:2012 Par. 7.2
* 18049	Safety footwear. Abrasion resistance of insole	EN ISO 20344:2011 Par. 7.3 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 7.3 ISO 20344:2011 Par. 7.3 SASO ISO 20344:2012 Par. 7.3
* 18050	Safety footwear. Outsole thickness	EN ISO 20344:2011 Par. 8.1 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.1 ISO 20344:2011 Par. 8.1 SASO ISO 20344:2012 Par. 8.1 UNI EN 15090:2012 Par. 6.7 EN 15090:2012 Par. 6.7
* 18051	Safety footwear. Tear strength of outsoles	EN ISO 20344:2011 Par. 8.2 + ISO 34-1:2010 Method A UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.2 + UNI ISO 34-1:2010 Method A ISO 20344:2011 Par. 8.2 + ISO 34-1:2010 Method A SASO ISO 20344:2012 Par. 8.2 + ISO 34-1:2010 Method A
* 18052	Safety footwear. Outsoles abrasion resistance	EN ISO 20344:2011 Par. 8.3 + ISO 4649:2010 Method A UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.3 + UNI ISO 4649:2010 Method A ISO 20344:2011 Par. 8.3 + ISO 4649:2010 Method A SASO ISO 20344:2012 Par. 8.3 + ISO 4649:2010 Method A
* 18053	Safety footwear. Outsoles flexing resistance	EN ISO 20344:2011 Par. 8.4 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.4 ISO 20344:2011 Par. 8.4 SASO ISO 20344:2012 Par. 8.4
* 18054	Safety footwear. Outsoles hydrolysis resistance	EN ISO 20344:2011 Par. 8.5 + ISO 5423:1992 Appendix C + ISO 5423:1992 Appendix E UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.5 + ISO 5423:1992 Appendix C + ISO 5423:1992 Appendix E ISO 20344:2011 Par. 8.5 + ISO 5423:1992 Appendix C + ISO 5423:1992 Appendix E SASO ISO 20344:2012 Par. 8.5 + ISO 5423:1992 Appendix C + ISO 5423:1992 Appendix E

* 18055	Safety footwear. Outsoles fuel oil resistance	EN ISO 20344:2011 Par. 8.6.1 + ISO 1817:2015 + ISO 4643:1992 Appendix C UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.6.1 + ISO 1817:2015 + ISO 4643:1992 Appendix C ISO 20344:2011 Par. 8.6.1 + ISO 1817:2015 + ISO 4643:1992 Appendix C SASO ISO 20344:2012 Par. 8.6.1 + ISO 1817:2015 + ISO 4643:1992 Appendix C
* 18075	Safety footwear. Method for outsole materials which shrink or became hardener	EN ISO 20344:2011 Par. 8.6.2 + ISO 1817:2015 + ISO 4643:1992 Appendix C UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.6.2 + ISO 1817:2015 + ISO 4643:1992 Appendix C ISO 20344:2011 Par. 8.6.2 + ISO 1817:2015 + ISO 4643:1992 Appendix C SASO ISO 20344:2012 Par. 8.6.2 + ISO 1817:2015 + ISO 4643:1992 Appendix C
* 18056	Safety footwear. Outsoles hot contact resistance	EN ISO 20344:2011 Par. 8.7 UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 8.7 ISO 20344:2011 Par. 8.7 SASO ISO 20344:2012 Par. 8.7

Safety footwear - Personal protective equipment - Test method for footwear - General characteristics

Code	Description	Methods
* 18085	Safety, protective and occupational footwear and components. Classification and designs	EN ISO 20345:2011 Par. 4 ISO 20345:2011 Par. 4 EN ISO 20346:2014 Par. 4 ISO 20346:2014 Par. 4 EN ISO 20347:2012 Par. 4 ISO 20347:2012 Par. 4 + UNI EN ISO 20344:2012 + EC 1 - 2018 Par. 6.2 EN ISO 20344:2011 Par. 6.2 ISO 20344:2011 Par. 6.2
* 18086	Footwear for firefighters. Classification	EN 15090:2012 Par. 4.2 + UNI EN ISO 20345:2012 Par. 4 EN ISO 20345:2011 Par. 4 ISO 20345:2011 Par. 4
* 18087	Footwear for firefighters. Design	EN 15090:2012 Par. 4.2 + UNI EN ISO 20345:2012 Par. 4 EN ISO 20345:2011 Par. 4 ISO 20345:2011 Par. 4
* 18088	Footwear for firefighters. Type	EN 15090:2012 Par. 4.3
* 18089	Footwear for firefighters. Zipper construction	EN 15090:2012 Par. 6.8.1
* 18090	Footwear for firefighters. Zipper puller attachment strength	EN 15090:2012 Par. 7.5.1
* 18091	Footwear for firefighters. Zipper lateral strength	EN 15090:2012 Par. 7.5.2
* 18092	Safety footwear with resistance to chainsaw cutting. Design	EN ISO 17249:2013 + AC:2014 Par. 6.2 ISO 17249:2013 Par. 6.2

* 18093	Safety footwear with resistance to chainsaw cutting. Costruction	EN ISO 17249:2013 + AC:2014 Par. 6.3 ISO 17249:2013 Par. 6.3
* 18094	Footwear protective against risks in foundries. Design	EN ISO 20349-1:2017 Par. 7.2 ISO 20349-1:2017 Par. 7.2
* 18095	Footwear protective against risks in foundries for welders. Design	EN ISO 20349-2:2017 Par. 7.2 ISO 20349-2:2017 Par. 7.2

Safety footwear - Foot and leg protectors - Requirements and test methods for footwear components - EN ISO 22568:2019

Code	Description	Methods
* 18096	Foot and legs protectors. Metallic toecaps. Internal length and width of flange	EN ISO 22568-1:2019 Par. 4.3 ISO 22568-1:2019 Par. 4.3 UNI EN ISO 22568-1:2019 Par. 4.3
* 18097	Foot and legs protectors. Metallic toecaps. Impact resistance	EN ISO 22568-1:2019 Par. 4.4 ISO 22568-1:2019 Par. 4.4 UNI EN ISO 22568-1:2019 Par. 4.4
* 18098	Foot and legs protectors. Metallic toecaps. Compression resistance	EN ISO 22568-1:2019 Par. 4.5 ISO 22568-1:2019 Par. 4.5 UNI EN ISO 22568-1:2019 Par. 4.5
* 18099	Foot and legs protectors. Metallic toecaps. Corrosion resistance	EN ISO 22568-1:2019 Par. 4.6 ISO 22568-1:2019 Par. 4.6 UNI EN ISO 22568-1:2019 Par. 4.6
* 18100	Foot and legs protectors. Non metallic toecaps. Internal length and width of flange	EN ISO 22568-2:2019 Par. 4.3 ISO 22568-2:2019 Par. 4.3 UNI EN ISO 22568-2:2019 Par. 4.3
* 18101	Foot and legs protectors. Non metallic toecaps. Impact resistance	EN ISO 22568-2:2019 Par. 4.4 ISO 22568-2:2019 Par. 4.4 UNI EN ISO 22568-2:2019 Par. 4.4
* 18102	Foot and legs protectors. Non metallic toecaps. Compression resistance	EN ISO 22568-2:2019 Par. 4.5 ISO 22568-2:2019 Par. 4.5 UNI EN ISO 22568-2:2019 Par. 4.5
* 18103	Foot and legs protectors. Non metallic toecaps. Stability against ageing	EN ISO 22568-2:2019 Par. 4.6 ISO 22568-2:2019 Par. 4.6 UNI EN ISO 22568-2:2019 Par. 4.6
* 18104	Foot and legs protectors. Metallic insert. Perforation resistance	EN ISO 22568-3:2019 Par. 4.2 ISO 22568-3:2019 Par. 4.2 UNI EN ISO 22568-3:2019 Par. 4.2
* 18105	Foot and legs protectors. Metallic insert. Flexing resistance	EN ISO 22568-3:2019 Par. 4.3 ISO 22568-3:2019 Par. 4.3 UNI EN ISO 22568-3:2019 Par. 4.3
* 18106	Foot and legs protectors. Metallic insert. Corrosion resistance	EN ISO 22568-3:2019 Par. 4.4 ISO 22568-3:2019 Par. 4.4 UNI EN ISO 22568-3:2019 Par. 4.4
* 18107	Foot and legs protectors. Non metallic insert. Perforation resistance	EN ISO 22568-4:2019 Par. 4.2 ISO 22568-4:2019 Par. 4.2 UNI EN ISO 22568-4:2019 Par. 4.2
* 18108	Foot and legs protectors. Non metallic insert. Flexing resistance	EN ISO 22568-4:2019 Par. 4.3 ISO 22568-4:2019 Par. 4.3 UNI EN ISO 22568-4:2019 Par. 4.3



* 18109	Foot and legs protectors. Non metallic insert. Stability against ageing	EN ISO 22568-4:2019 Par. 4.4 ISO 22568-4:2019 Par. 4.4 UNI EN ISO 22568-4:2019 Par. 4.4
* 18110	Foot and legs protectors. Non metallic insert. Electrical resistance	EN ISO 22568-4:2019 Par. 4.5 ISO 22568-4:2019 Par. 4.5 UNI EN ISO 22568-4:2019 Par. 4.5

CHEMICAL TESTS

General

Code	Description	Methods
* 12155	Textiles. Microscope examination (morphology and structure)	Microscope evaluation of the surface morphological-structural characteristics (50x-500x)
* 12160	Textiles. Microscope examination with microphotographs	Microscope evaluation of the surface morphological-structural characteristics (50x-500x)
* 14463	Textiles. Apparent diametre	Microscope evaluation
12120	Wool. Fiber diameter with projection microscope method	UNI 5423:1964
* 12122	Textiles. Woolen fibres. Diameter. Microscope method	ISO 137:2015
* 14460	Textiles. Stereomicroscope examination	Stereomicroscope evaluation of the surface morphological-structural characteristics
* 14461	Textiles. Stereomicroscope examination with macrographs	Stereomicroscope evaluation of the surface morphological-structural characteristics
* 14462	Textiles. Examination with scanning electron microscope (SEM) with micrographs	Microscope evaluation of the surface morphological-structural characteristics
* 12112	Textiles. Detection of dulling agent in fibres. Microscope method	Microscope evaluation
* 14510	Textiles and chemical substances. FT-IR identification	FT-IR Spectrophotometric method
* 12115	Textiles. Melting point	UNI EN ISO 3146:2002
* 12110	Textiles. Examination under Wood lamp	Visual evaluation in cabinet under black light
14430	Textiles. Ash content	UNI 8047:1980
13281	Textiles. Dry content for the chemical and/or physical tests	UNI 8048:1980
14490	Textiles. Cellulose in dilute solution. Limit viscosity index (Method in cupri-ethylene-diamine solution)	UNI 8282:1994 Alternative B
* 14380	Textiles. Damage research in cellulosic fibres (Sodium hydrate 18%)	Karl Mahall, 2002. Quality assessment of textiles - Damage detection by microscopy. 2° ed: Springer
* 14390	Textiles. Oxy and hydrocellulose research in cellulosic fibres (Fehling reaction)	Karl Mahall, 2002. Quality assessment of textiles - Damage detection by microscopy. 2° ed: Springer
* 14450	Textiles. Iron qualitative detection	AATCC TM94-2020 Par. 13
14495	Textiles. Mercerization in cotton (Barium Activity Number)	AATCC TM89-2019
14211	Textiles. Identification of residual oxidant substances	UNI 8276:1981
14350	Fabrics. Surface wetting. Spray test	UNI EN ISO 4920:2013
14351	Fabrics. Surface wetting. Spray test	AATCC TM22-2017e
14363	Fabrics. Resistance to water/alcohol solution test	AATCC TM193-2007e4(2017)e2
14362	Textiles. Oil repellency. Hydrocarbon resistance test	UNI EN ISO 14419:2010 AATCC TM118-2020
* 14367	Textiles. Absorption capacity	Method required by customer
* 14368	Textiles. Determination of hygroscopicity	GOST 3816-81
* 25150	Textiles. Smoothness appearance of fabrics after repeated home laundering	AATCC TM124-2018t
* 25154	Textiles. Smoothness of seams in fabric after repeated home laundering	AATCC TM88B-2018t
* 25155	Textiles. Retention of creases in fabrics after repeated home laundering	AATCC TM88C-2018t
* 25156	Textiles. Method for assessing appearance of apparel and other textile end products after domestic washing and drying	UNI EN ISO 15487:2018

* 35100	Textiles. Determination of class of dyestuff. Only cellulosic fibers	MIP 254:2008 Rev.1
* 14364	Absorption degree of fabrics	AATCC TM79-2010e2(2018)e
* 14365	Textiles. Terry towels and terry towels fabrics. Determination of the time of absorption	UNI EN 14697:2005 annex B
* 14361	Textiles. Fabric behaviour after removal of domestic staining	MIP 253:2008 Rev.1
* 14431	Textile glass. Combustible matter content	ISO 1887:2014
* 14366	Rubber, vulcanized or thermoplastic. Determination of the effect of the liquids	ISO 1817:2015
* 12301	Reinforcements products. Moisture content	UNI EN ISO 3344:1998
* 14502	Carbon fibre. Determination of size content	UNI EN ISO 10548:2006 + EC1-2009

Fibre composition

Code	Description	Methods
13100	Textiles. Identification of fibres in textiles	Reg UE N 1007/2011 + ISO/TR 11827:2012
* 13101	Textiles. Identification of fibres in textiles: metallic fibres, metalized and charge decaying in general	Qualitative analysis using Energy Dispersive X-ray spectrometry (XRF)
* 13103	Textiles. Qualitative and quantitative analysis of some bast fibres (Flax, Hemp and Ramie) and their blends - Part 1: Fiber identification using microscopy methods	ISO 20706-1:2020
* 13104	Textiles. Identification of liberian fibres in textiles. Test method of Bast Fibre Authority	Microscope evaluation longitudinal and in cross section of the surface characteristics
* 13108	Textiles. Qualitative analysis of fibrous components in textiles	Method in according to customer
14170	Textiles. Quantitative analysis of binary blends of textile fibres	Reg UE N 1007/2011, UNI EN ISO 1833:2011 parts 5, 8, 19, 24 (except 2); UNI EN ISO 1833:2017 parts 4, 7, 11; UNI EN ISO 1833:2019 parts 3, 6, 9, 10, 13, 14, 15, 16, 18, 20, 21; UNI EN ISO 1833:2020 parts 1, 12, 17, 25, 26; UNI EN ISO 1833:2021 part 22
14180	Textiles. Quantitative analysis of ternary blends of textile fibres	Reg UE N 1007/2011, UNI EN ISO 1833:2011 parts 5, 8, 19, 24; UNI EN ISO 1833:2013 part 22; UNI EN ISO 1833:2017 parts 4, 7, 11; UNI EN ISO 1833:2019 parts 3, 6, 9, 10, 13, 14, 15, 16, 18, 20, 21; UNI EN ISO 1833:2020 parts 1, 2, 12, 17, 25, 26
* 14190	Textiles. Quantitative analysis of blends of four textile fibres	MIP 258:2008 Rev.0
* 14191	Textiles. Quantitative analysis of blends of five textile fibres	MIP 258:2008 Rev.0
* 14210	Textiles. Quantitative analysis of blends of six textile fibres	MIP 258:2008 Rev.0
* 14215	Textiles. Quantitative analysis of blends of seven textile fibres	MIP 258:2008 Rev.0
* 14151	Textiles. Quantitative analysis of binary and ternary blends of textile fibres. Microscope method	MIP 258:2008 Rev.0
* 14150	Textiles. Quantitative analysis of binary blends of natural/vegetal textile fibres. Microscope method	ASTM D 629-15
* 14152	Textiles. Quantitative analysis of binary blends of wool and animal hair. Microscope method	MIP 258:2008 Rev.0
* 13172	Speciality fibres and sheep's wool. Qualitative - quantitative compositions	IWTO-TM-58:2000
* 13173	Speciality fibres and sheep's wool. Qualitative - quantitative composition	ISO 17751:2007
13174	Textiles. Qualitative and quantitative proteomic analysis of some animal hair fibres - Part 1: Peptide detection using LC-ESI-MS with protein reduction	UNI EN ISO 20418-1:2018
* 13102	Textiles. Identification of fibres in textiles	AATCC 20-2021 + 16 C.F.R. Part 303
* 14149	Textiles. Quantitative analysis of blends of textile fibres	AATCC 20A-2021 + 16 C.F.R. Part 303
* 13107	Finished garments. Components separation	Method in according to customer

Textiles, finished products. Composition labelling

Code	Description	Methods
* 13110	Textiles, finished products. Total weight and components	MIP 132:2014 Rev.0
* 13200	Fabrics. Composition labelling	Reg UE N 1007/2011 + ISO/TR 11827:2012
* 13201	Ready-made garments. Composition labelling	Reg UE N 1007/2011 + ISO/TR 11827:2012
* 13202	Hoisery. Composition labelling	Reg UE N 1007/2011 + ISO/TR 11827:2012

Determination of non-fibrous materials

Code	Description	Methods
* 13412	Textiles. Qualitative detection of sizes	MIP 229:2018 Rev.2
* 12230	Textiles. Honey dew in cotton. "Orcina" method	MIP 261:2008 Rev.1
* 14420	Textiles. Removal of non-fibre materials added to textiles	UNI 8046:1980
* 14421	Textiles. Removal of non-fibrous materials added to textiles	UNI EN ISO 1833-1:2020
* 14422	Textiles. Quantitative analysis of non-fibre materials added to textiles	UNI 8046-1980 + UNI 8048-1980
14500	Textiles. Extractable substances with organic solvents	UNI 9273:1988
* 13360	Wool. Dichloromethane or ether extract	UNI 8476:1983
* 12261	Textiles. Extractable content of textiles	AATCC TM97-2020
* 14501	Wool. Determination of dichloromethane soluble matter in combed sliver	ISO 3074:2014
14410	Fabrics. Content of size in cotton, flax and hemp fabrics	UNI 5119:1966

Colour fastness

Code	Description	Methods
20230	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A1
* 20233	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A2
* 20234	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A3
* 20261	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	Method required by customer
* 20264	Textiles. Colour fastness and ageing to artificial light at high temperatures - Xenon arc fading lamp test	UNI EN ISO 105-B06:2020 - Exposure conditions n. 3
* 20265	Textiles. Colour fastness and ageing to artificial light at high temperatures - Xenon arc fading lamp test	VDA 75202:2001 Method 2 - Exp. A (FAKRA Method)
* 20262	Textiles. Colour fastness to artificial light with solution of perspiration	UNI EN ISO 105-B07:2009
* 20263	Textiles. Colour fastness to artificial light with saline solution	Method required by customer
20260	Textiles. Colour fastness to artificial weathering (Xenon arc fading lamp test)	UNI EN ISO 105-B04:2000
* 20259	Textiles. Colour fastness to artificial weathering: Xenon arc fading lamp test	Method required by customer
20100	Textiles. Colour fastness to hand washing	UNI 10994:2002
20110	Textiles. Colour fastness to washing with soap or with soap and soda	UNI EN ISO 105-C10:2008
20011	Textiles. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010
20105	Textiles. Colorfastness to laundering: Accelerated	AATCC TM61-2013e(2020) - Test N.1A, Test N.2A
20115	Textiles. Colour fastness to domestic and commercial laundering using a bleach activator at low temperature	UNI EN ISO 105-C08:2010
20120	Textiles. Colour fastness to domestic and commercial laundering - with a bleach activator at low temperature	UNI EN ISO 105-C09:2008

* 20471	Textiles. Colour fastness to enzymatic washing	MIP 204:2018 Rev.3
* 20460	Textiles. Colour fastness to simulated stone wash	MIP 204:2018 Rev.3
* 20470	Textiles. Colour fastness to stone bleach	MIP 204:2018 Rev.3
* 20000	Textiles. Colour fastness to not-solved washing soap accumulations	MIP 204:2018 Rev.3
20150	Textiles. Colour fastness to bleaching: Hypochlorite	UNI EN 20105-N01:1997
* 20151	Textiles. Colorfastness to sodium hypochlorite bleach in home laundering	AATCC TM188-2010e3(2017)e
20161	Textiles. Colour fastness to bleaching: Peroxide	UNI EN ISO 105-N02:1997
* 20162	Textiles. Colour fastness to bleaching	AATCC TM101-2019
20310	Textiles. Colour fastness to chlorinated water (swimming-pool water)	UNI EN ISO 105-E03:2010
* 20311	Textiles. Colorfastness to water: Chlorinate pool	AATCC TM162-2011e2 - Option 1
20210	Textiles. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010
20211	Textiles. Colour fastness to dry cleaning	AATCC TM132-2004e3(2013)e3
20390	Textiles. Colour fastness to organic solvents	UNI EN ISO 105-X05:1999
20280	Textiles. Colour fastness to water	UNI EN ISO 105-E01:2013
20285	Textiles. Colour fastness to water	AATCC TM107-2013e2
* 20279	Textiles, Accessories. Colour fastness. Test under specific condition	MIP 204:2018 Rev.3
* 20284	Textiles. Colour fastness to water	Method required by customer
20300	Textiles. Colour fastness to sea water	UNI EN ISO 105-E02:2013
20315	Textiles. Colour fastness to water: sea	AATCC TM106-2009e(2013)e3
20290	Textiles. Colour fastness to water spotting	UNI EN ISO 105-E07:2010
* 20291	Textiles. Colour fastness to water spotting	AATCC TM104-2010(2014)e2
20295	Textiles. Colour fastness to water spotting (uphostery fabrics)	UNI EN ISO 105-E16:2008
* 20297	Textiles. Colour fastness to solvent spotting: perchloroethylene	AATCC TM 157-2016
20320	Textiles. Colour fastness to perspiration	UNI EN ISO 105-E04:2013
20325	Textiles. Colour fastness to perspiration	AATCC TM15-2013e
* 20330	Textiles. Colour fastness to artificial saliva	DIN 53160-1:2010
* 20331	Textiles. Colour fastness to perspiration	DIN 53160-2:2010
20400	Textiles. Colour fastness to spotting: Acid	UNI EN ISO 105-E05:2010 + UNI EN ISO 105-E07:2010
20410	Textiles. Colour fastness to spotting: Alkali	UNI EN ISO 105-E06:2006 + UNI EN ISO105-E07:2010
20480	Textiles. Assessment of migration of textile colours into polyvinyl chloride coatings	UNI EN ISO 105-X10:2008
* 20481	Textiles. Colorfastness to Storage: Dye Transfer	AATCC TM163-2013(2020)e
* 20450	Textiles. Colour fastness to oxidizers	MIP 235:2018 Rev.3
* 20451	Textiles. Colour fastness to reducers	MIP 235:2018 Rev.3
* 20281	Textiles. Colour fastness to hot water	UNI EN ISO 105-E08:1998
20420	Textiles. Colour fastness to mercerizing	UNI EN ISO 105-X04:1999
* 20490	Textiles. Colour fastness to cross-dyeing on wool	UNI EN ISO 105-X07:1999
20350	Textiles. Colour fastness to rubbing	UNI EN ISO 105-X12:2016
20355	Textiles. Colour fastness to crocking	AATCC TM8-2016e
20380	Textiles. Colour fastness to rubbing with organic solvents	UNI EN ISO 105-D02:2016
20205	Textiles. Colour fastness to dry heat	UNI EN ISO 105-P01:1997
* 20206	Textiles. Colour fastness to dry heat	AATCC TM117-2019
20170	Textiles. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998
20200	Textiles. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998
* 20048	Textiles. Colour fastness to ozone in the atmosphere	UNI EN ISO 105-G03:1999. At relative humidity not greater than 65%
* 20049	Textiles. Colorfastness to ozone in the atmosphere under low humidities	AATCC TM109-2011(2016)e
* 20050	Textiles. Colour fastness to nitrogen oxides	UNI EN ISO 105-G01:2016
20051	Textiles. Colour fastness. Assessment of the potential to phenolic yellowing	UNI EN ISO 105-X18:2008

* 20286	Textiles. Colour fastness to artificial urine	Method required by customer
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Dimensional changes

Code	Description	Methods
25100	Textiles. Dimensional changes in cold-water immersion	UNI 9294-5:1988
25110	Textiles. Dimensional change in domestic wet washing and drying	UNI EN ISO 3759:2011+ UNI EN ISO 5077:2008 + UNI EN ISO 6330:2022
25113	Fabrics. Dimensional changes after home laundering	AATCC TM135-2018t
25114	Garments. Dimensional changes after home laundering	AATCC TM150-2018t
* 25115	Textiles. Skewness change in fabric and garment twist resulting from automatic home laundering	AATCC TM179-2019
25160	Textiles. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
25162	Textiles. Dimensional changes on dry cleaning in perchloroethylene: machine method	AATCC TM158-1978e10(2016)e
25117	Textiles. Dimensional change in industrial washing and finishing	UNI EN ISO 15797:2018 Tab. 4 Procedure A (tumble drying) + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
* 25118	Textiles. Dimensional change in industrial washing and finishing	UNI EN ISO 15797:2018 Tab. 4 Procedure B (tunnel drying) + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
* 25180	Fabrics. Dimensional change in free-steam	UNI 9294-4:1988 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
* 25181	Fabrics. Dimensional change in steam pressing. Hoffman press method	DIN 53894-2:2018
* 25183	Fabrics. Dimensional change in steam pressing. Hoffman press method.	Method required by customer
* 25200	Fabrics and garments. Dimensional change in tumbler drying	UNI EN ISO 6330:2022 Appendix O + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
* 25182	Fabrics and garments. Dimensional change in ironing	MIP 242:2016 Rev.1
* 25190	Fabrics, threads and yarns. Dimensional change in oven (hot air oven)	MIP 242:2016 Rev.1
* 25111	Threads and yarns. Dimensional change in washing	MIP 242:2016 Rev.1
* 25161	Threads and yarns. Dimensional change to boiling	MIP 242:2016 Rev.1
* 25163	Textiles. Industrial sewing threads made wholly or partly from synthetic fibres	UNI EN 12590:2002 Annex B Method A or B + EC 2006

Instrumental colorimetry

Code	Description	Methods
35210	Textiles. Measurement of surface colour	UNI EN ISO 105-J01:2001
35220	Textiles. Calculation of colour differences	UNI EN ISO 105-J03:2009
* 35170	Textiles. Instrumental assessment of relative whiteness	UNI EN ISO 105-J02:2001 + UNI EN ISO 105-J01:2001
* 35231	Textiles. Instrumental assessment of the degree of staining of adjacent fabrics	UNI EN ISO 105-A04:2001
* 13401	Fabrics. Assembling of specimen for the preparation of "manichette"	UNI 9270:1988 Appendix A

Care labelling

Code	Description	Methods
20011	Textiles. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010
20115	Textiles. Colour fastness to domestic and commercial laundering using a bleach activator at low temperature	UNI EN ISO 105-C08:2010

20120	Textiles. Colour fastness to domestic and commercial laundering - with a bleach activator at low temperature	UNI EN ISO 105-C09:2008
20150	Textiles. Colour fastness to bleaching: Hypochlorite	UNI EN 20105-N01:1997
20200	Textiles. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998
20210	Textiles. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010
25110	Textiles. Dimensional change in domestic wet washing and drying	UNI EN ISO 3759:2011+ UNI EN ISO 5077:2008 + UNI EN ISO 6330:2022
25160	Textiles. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008
* 25150	Textiles. Smoothness appearance of fabrics after repeated home laundering	AATCC TM124-2018t

Chemical Treatments

Code	Description	Methods
35155	Textiles. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022
35174	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35196	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
35168	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35197	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
35175	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35198	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
35176	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35199	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
35169	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35200	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
35173	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
35201	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
* 35184	Textiles. Domestic washing and drying for textile testing	AATCC TM135-2018t
* 35185	Textiles. Domestic washing and drying for textile testing	AATCC TM135-2018t
35156	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
35177	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
35178	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
35179	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
35180	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
35181	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
* 35186	Textiles. Dry cleaning	AATCC TM158-1978e10(2016)e
* 35187	Textiles. Dry cleaning	AATCC TM158-1978e10(2016)e
35194	Textiles. Industrial washing and finishing procedures for testing workwear	UNI EN ISO 15797:2018 Tab. 4 Procedure A (tumble drying)
* 35195	Textiles. Industrial washing and finishing procedures for testing workwear	UNI EN ISO 15797:2018 Tab. 4 Procedure B (tunnel drying)
* 35161	Textiles. Industrial wet washing	Method required by customer
* 35193	Textiles. Industrial dry washing	Method required by customer
* 25153	Textiles. Washing in cold water for 200 continuous hours	Method required by customer
* 35151	Textiles. Hand washing with soap and rubbing	MIP 277:2018 Rev.3
* 35152	Textiles. Treatment with solvents	MIP 277:2018 Rev.3
* 35153	Textiles. Treatment in chlorinated water	MIP 277:2018 Rev.3
* 35154	Textiles. Treatment in sea water	MIP 277:2018 Rev.3
* 35172	Textiles. Treatment in water	Method required by customer
* 35182	Textiles. Treatment with cleaning products	Method required by customer

* 35167	Textiles. Treatment by immersion in alkaline solution	Method required by customer
* 35183	Textiles, Accessories. Treatment by immersion in acid solution	Method required by customer
* 35171	Textiles. Treatment in perspiration solution	Method required by customer
* 35142	Textiles. Treatment with concentrated oxydant solutions	MIP 277:2018 Rev.3
* 35159	Textiles. Heat treatment	Method required by customer
* 35149	Textiles. Dry heat treatment with oxydant solutions.	MIP 277:2018 Rev.3
* 35158	Textiles. Steaming treatment	MIP 277:2018 Rev.3
* 14740	Plastics. Determination of the effects of exposure to damp heat (change in dimensions and appearance)	UNI EN ISO 4611:2011 (only 4.2.1 Damp heat)
* 14750	Rubber or plastics coated fabrics. Accelerated ageing tests. Environmental ageing	UNI EN 12280-3:2003
* 14760	Rubber or plastics coated fabrics. Accelerated ageing tests. Heat ageing	UNI EN 12280-1:2000 (only method 1)
* 14763	Rubber or plastics coated fabrics. Accelerated ageing tests: effect of light or weathering	UNI EN 12280-2:2003
* 14761	Textiles. Ageing at low temperature	Method required by customer
* 35157	Textiles, Leather, others materials. Ageing to artificial light with Xenon arc fading lamp	Method required by customer
* 35162	Textiles, Leather, others materials. Ageing to artificial weathering: Xenon arc fading lamp test	Method required by customer
* 35165	Plastics. Methods of exposure to laboratory light sources. Part 2: Xenon-arc lamps	UNI EN ISO 4892-2:2021
* 35143	Textiles. Exposure to nitrogen oxides	MIP 283:2018 Rev.3
* 35147	Textiles. Selective elimination of textile fibres	MIP 257:2012 Rev.2
* 35148	Textiles. Selective elimination of resins and coating	UNI EN ISO 1833-1:2020 - Annex A
* 35188	Footwear. Metallic accessories. Corrosion resistance	UNI EN ISO 22775:2005 Method 2
* 35190	Textiles. Treatment with nitrogen oxides	MIP 277:2018 Rev.3
* 35191	Textiles. Treatment to ozone in the atmosphere under low humidities	MIP 277:2018 Rev.3
* 35192	Accessories. Corrosion resistance. Corrosion test with synthetic sweat	NF S 80-772:2010 (only 4.2.3)
* 14741	Textiles, Accessories. Treatment to temperature and humidity variations	Method required by customer
* 14742	Rubber or plastics-coated fabrics. Accelerated-ageing tests	ISO 1419:2019 Method B (General method)
* 14743	Rubber or plastics-coated fabrics. Accelerated-ageing tests	ISO 1419:2019 Method C (Tropical test)

Dyeing treatments

Code	Description	Methods
* 35145	Textiles. Enzyme desizing	MIP 203:2018 Rev.3
* 35150	Textiles. Scouring	MIP 203:2018 Rev.3
* 35160	Textiles. Bleaching	MIP 203:2018 Rev.3
* 35141	Textiles. Discharge of original dye	MIP 203:2018 Rev.3
* 35121	Textiles. Dyeing with acid dyes	MIP 205:2018 Rev.3
* 35123	Textiles. Dyeing with cationic dyes	MIP 205:2018 Rev.3
* 35111	Textiles. Dyeing with direct dyes	MIP 205:2018 Rev.3
* 35122	Textiles. Dyeing with disperse dyes	MIP 205:2018 Rev.3
* 35120	Textiles. Dyeing with reactive dyes	MIP 205:2018 Rev.3
* 35124	Textiles. Preparation and dyeing of aramid fibres	MIP 247:2018 Rev.4
* 35146	Textiles. Soaping	MIP 205:2018 Rev.3
* 35140	Textiles. Stripping treatment	MIP 203:2018 Rev.3



MATERIALS. THERMAL CHARACTERIZATION

Code	Description	Methods
* 14511	Plastics. Differential scanning calorimetry. Enthalpy and temperature of melting	UNI EN ISO 11357-3:2018
* 14512	Plastics. Differential scanning calorimetry. Enthalpy and temperature of crystallization	UNI EN ISO 11357-3:2018
* 14513	Plastics. Differential scanning calorimetry. Glass transition temperature	UNI EN ISO 11357-2:2020
* 14514	Plastics. Thermogravimetry. Mass variation and temperature of decomposition	UNI EN ISO 11358-1:2014
* 14515	Plastics. Differential scanning calorimetry	UNI EN ISO 11357-2:2014 + UNI EN ISO 11357-3:2018
* 14516	Textiles containing phase change materials (PCM). Heatstorage and release capacity	UNI EN ISO 11357-1:2016 + UNI EN ISO 11357-3:2018
* 14517	Plastics. Identification of Recycled PET from bottles (RPET) by differential scanning calorimetry	MIP 166:2022 Rev.0
* 70612	Materials. Resistance to Thermal Transmission	ASTM E1530-11(2016)



MICROPLASTICS FROM TEXTILE SOURCES

Tests

Code	Description	Methods
* 14518	Textiles and textile products. Microplastics from textile sources - Part 1: Determination of material loss from fabrics during washing	ISO/DIS 4484-1
* 14519	Textiles and textile products. Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method	ISO/DIS 4484-3

WATER AND INDUSTRIAL WASTEWATER

Wastewater, superficial water, underground water, drinking water

Code	Description	Methods
* 80104	Wastewater, superficial water, underground water, drinking water. Temperature	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2100
* 80105	Water and industrial wastewater. Colour	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2020/B
80120	Wastewaters, superficial waters. Ammoniacal nitrogen	APAT CNR IRSA 4030 A2 Man 29 2003
80195	Underground water, drinking water. Ammonia Nitrogen	APAT CNR IRSA 4030 A1 Man. 29 2003
* 80475	Wastewater, superficial water, underground water, drinking water. Sedimented solids	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2090/C
* 80100	Water and industrial wastewater. pH	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2060
* 80263	Superficial water, ground water and drinking water. Total hardness	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2040 A
* 80264	Natural water (industrial water and drinking water). Total hardness	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2040 B
* 80111	Wastewater, superficial water, underground water, drinking water. Conductivity	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2030
80310	Wastewaters, superficial waters, groundwaters, drinking waters. Phosphorus, Total phosphorus	APAT CNR IRSA 4110 A2 Man.29 2003
80130	Wastewaters, superficial waters, groundwaters, drinking waters. Nitrous nitrogen, Nitrites	APAT CNR IRSA 4050 Man 29 2003
* 80140	Water and industrial wastewater. Nitrate nitrogen	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 4040/A1
* 80141	Wastewaters, superficial waters, groundwaters, drinking waters. Sulphides	APHA Standard Methods for Examination of Water and Wastewater ed 23rd 2017 4500 S2-D
* 80110	Water and industrial wastewater. Chemical oxygen demand	APAT IRSA-CNR - Manuale e Linee Guida 29:2003 - Metodo 5130 ISO 15705:2002
* 80115	Water and industrial wastewater. Biochemical oxygen demand	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 5120/B1
* 80116	Water and industrial wastewater. Total organic carbon (TOC)	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 5040
* 80117	Water quality. Determination of adsorbable organic halogens (AOX)	ISO 9562:2004
* 80118	Water quality. Determination of selected alkylphenols. Part 1: Method for non-filtered samples using liquid-liquid extraction and gas chromatography with mass selective detection	ISO 18857-1:2005
* 80119	Wastewater. Determination PFOS/PFOA	MIP 139:2015 Rev.0
* 80121	Water and industrial wastewater. Perfluorinated compounds - complete offer	MIP 139:2015 Rev.0
* 80220	Water and industrial wastewater. Cadmium	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80360	Water and industrial wastewater. Cobalt	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
80190	Wastewaters, superficial waters. Chromium (VI)	APAT CNR IRSA 3150 C Man 29 2003
* 80200	Water and industrial wastewater. Total chromium	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80350	Water and industrial wastewater. Mercury	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3200-A1
* 80240	Water and industrial wastewater. Nickel	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020

* 80250	Water and industrial wastewater. Lead	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80260	Water and industrial wastewater. Copper	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80261	Wastewater, superficial water, ground water and drinking water. Calcium	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3010 B + APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80262	Wastewater, superficial water, ground water and drinking water. Magnesium	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3010 B + APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020
* 80150	Wastewater, superficial water, underground water, drinking water. Total Nitrogen	UNI 11658:2016
* 80171	Wastewater, superficial water, underground water, drinking water. Alkylphenol	ISO 18857-1:2005
* 80112	Wastewater, superficial water, underground water, drinking water. Alkylphenol Etoxylates (APEO)	ISO 18857-2:2009
* 80450	Wastewater, superficial water, underground water, drinking water. Total hydrocarbon	ISO 9377-2:2002
* 80460	Wastewater, superficial water, underground water, drinking water. Oil and Grease	ASTM D7678-17
80199	Wastewater, superficial water, underground water, drinking water. Grease and Oils	APAT CNR IRSA 5160 A1 Man. 29 2003
80470	Wastewaters, superficial waters, groundwaters, drinking waters. Total suspended solids (total suspended material)	UNI EN 872:2005
* 80106	Wastewater, superficial water, underground water, drinking water. Polycyclic aromatic hydrocarbon	APAT CNR IRSA 5080 Man.29 2003
* 80107	Wastewater and superficial water. Metals, total	UNI EN ISO 15587-2:2002 + UNI EN ISO 11885:2009
80201	Wastewater, superficial water, underground water, drinking water. Metals, total	UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016
* 80174	Underground water, drinking water. Metals, total (ICP-OES)	UNI EN ISO 11885:2009
* 80176	Underground water, drinking water. Metals, total (ICP-MS)	UNI EN ISO 17294-2:2016
* 80108	Wastewater, superficial water, underground water, drinking water. Sulfite	UNI EN ISO 10304-3:2000
80109	Wastewater, superficial water, underground water, drinking water. Anions	UNI EN ISO 10304-1:2009
* 80180	Wastewater, superficial water, underground water, drinking water. Phenols	APAT CNR IRSA 5070B Man.29 2003
* 80170	Wastewater, superficial water, underground water, drinking water. Cyanide	EPA 9014:2014
* 80320	Wastewater, superficial water, underground water, drinking water. Chromium VI	EPA 7199:1996
* 80375	Wastewater, superficial water, underground water, drinking water. Glycols	EPA 3510C 1996 + EPA 8270E 2018
* 80113	Wastewater, superficial water, underground water, drinking water. Chlorinated paraffins	EPA 3510C 1996 + EPA 8270E 2018
* 80230	Wastewater, superficial water. Mercury	UNI EN ISO 15587-2:2002 + UNI EN ISO 17294-2:2016
* 80114	Wastewater, superficial water. Volatile organic compound (VOC)	EPA 5021A 2014 + EPA 8260D 2018
* 80122	Wastewater, superficial water, underground water, drinking water. Chlorophenol	EPA 3510C 1996 + EPA 8270E 2018
* 80123	Wastewater, superficial water, underground water, drinking water. Organotin compounds	UNI EN ISO 17353:2006
* 80124	Wastewater, superficial water, underground water, drinking water. Dyes-Azo (forming restricted amines)	EPA 8270E 2018 (Ref. ISO 14362-1:2017)
* 80125	Wastewater, superficial water, underground water, drinking water. Dyes - Disperse (Sensitizing)	EPA 3510C 1996 + EPA 8321B 2007
* 80126	Wastewater, superficial water, underground water, drinking water. Dyes - Carcinogenic	EPA 3510C 1996 + EPA 8321B 2007
* 80127	Wastewater, superficial water, underground water, drinking water. Phtalates and Bisphenol A	EPA 3510C 1996 + EPA 8270D:2014
* 80128	Wastewater, superficial water, underground water, drinking water. Perfluorinated Chemicals	EPA/600/R-08/092 METHOD 537
* 80129	Wastewater, superficial water, underground water, drinking water. Chlorinated benzenes and toluenes	EPA 3510C 1996 + EPA 8270E 2018

* 80131	Wastewater, superficial water, underground water, drinking water. Brominated and Chlorinated Flame retardants	Internal Method (Ref. UNI EN ISO 17881-1:2016 + UNI EN ISO 17881-2:2016)
* 80152	Wastewater, superficial water, underground water, drinking water. Colour	UNI EN ISO 7887:2012
80153	Wastewater, superficial water, underground water, drinking water. pH	UNI EN ISO 10523:2012
* 80154	Wastewater, superficial water, underground water, drinking water. Phosphorous, Total	UNI EN ISO 15587-2:2002 + UNI EN ISO 11885:2009
80156	Wastewaters, superficial waters, groundwaters, drinking waters. COD (Chemical Oxygen Demand)	ISO 15705:2002
* 80157	Wastewater, superficial water, underground water. Biochemical Oxygen Demand (BOD5)	APHA Standard Methods for the examination of water and wastewater, ed 23rd 2017 5210D
* 80158	Wastewater, superficial water. Total hardness (from calculation)	UNI EN ISO 15587-2:2002 + UNI EN ISO 11885:2009
* 80159	Underground water, drinking water. Total hardness (from calculation)	UNI EN ISO 11885:2009
* 80161	Wastewater, superficial water, underground water, drinking water. Phenols	APAT CNR IRSA 5070A2 Man.29 2003
* 80166	Wastewater, superficial water, underground water, drinking water. Formamide	EPA 5021A 2014 + EPA 8260D 2018
* 80376	Underground water, drinking water. Volatile organic compounds (VOC)	EPA 5021A:2014 + EPA 8260D:2018
80377	Wastewaters, superficial waters, groundwaters, drinking waters. Hydrocarbon oil index	ISO 9377-2:2002
* 80167	Wastewaters. Acute toxicity test with crustaceans - Daphnia magna (48 h)	UNI EN ISO 6341:2013
* 80169	Water and industrial wastewater. Fecal coliforms	EPA 1681:2006
* 80173	Water and industrial wastewater. Escherichia coli	ISO 9308-2:2014
* 80181	Water and industrial wastewater. Total chlorine	ISO 7393-2:2018
* 80182	Water and industrial wastewater. Dissolved oxygen	ISO 5814:2013
* 80183	Water and industrial wastewater. Total dissolved solids	ISO 27888:1995
* 80184	Water and industrial wastewater. UV absorbers	EPA 8270D:2014
* 80186	Water and industrial wastewater. Dimethylformamide	EPA 8270D:2014
* 80187	Water and industrial wastewater. Biological active products (Permethrin, Triclosan, OPP)	EPA 8270D:2014

Special Offer

Code	Description	Methods
* 80343	Water and industrial waste water. Chemical Test Natural water (industrial water and drinking water). Total hardness Water and industrial wastewater. Cadmium Water and industrial wastewater. Lead Water and industrial wastewater. Mercury Wastewaters, superficial waters, groundwaters, drinking waters. Nitrous nitrogen, Nitrites Water and industrial wastewater. Nitrate nitrogen Wastewaters, superficial waters. Ammoniacal nitrogen Water and industrial wastewater. pH Wastewater, superficial water, underground water, drinking water. Conductivity	APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2040 B APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020 APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3020 APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 3200-A1 APAT CNR IRSA 4050 Man 29 2003 APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 4040/A1 APAT CNR IRSA 4030 A2 Man 29 2003 APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2060 APAT IRSA-CNR - Manual and Guidelines 29:2003 - Method 2030
* 63550	Water and industrial wastewater. Special quotation DETOX	Cfr. methods of the single substances

* 80233	Water and industrial wastewater. Conventional parameters ZDHC in accordance with Appendix A, Tables 1A and 1B Wastewater Guidelines Version 1.1 - 2019	Wastewater Guidelines Version 1.1 - 2019
* 80234	Water and industrial wastewater. MRSL parameters ZDHC in accordance with Appendix A, Tables 2A-2N Wastewater Guidelines Version 1.1 - 2019	Wastewater Guidelines Version 1.1 - 2019
* 80241	Water and industrial wastewater. Conventional parameters STeP Ed. 01/2022 in accordance with Annex 5.1_Direct Discharge	cfr. STeP Ed. 01/2022
* 80242	Water and industrial wastewater. Conventional parameters STeP Ed. 01/2022 in accordance with Annex 5.2_Indirect Discharge	cfr. STeP Ed. 01/2022
* 80243	Water and industrial wastewater. MRSL parameters STeP Ed. 01/2022 in accordance with Annex 3	cfr. STeP Ed. 01/2022
* 80245	Water and industrial wastewater. Integration panel for STeP to ZDHC compliance (MRSL ZDHC parameter set per Appendix A, Tables 2A-2N Wastewater Guidelines Version 1.1 - 2019 for raw wastewater or sludge)	Wastewater Guidelines Version 1.1 - 2019
* 80246	Water and industrial wastewater. Additional tests for compliance from STeP to ZDHC Version 1.1 - 2019 for conventional parameters indirect discharge	Wastewater Guidelines Version 1.1 - 2019
* 80247	Water and industrial wastewater. Conventional parameters ZDHC in accordance with Appendix A, Tables 1A and 1B Wastewater Guidelines Version 1.1 - 2019	Wastewater Guidelines Version 1.1 - 2019

SOILS

Soils, sludges, sediments

Code	Description	Methods
* 80132	Soils, sludges, sediments. Metals, total	UNI EN 13657:2004 + UNI EN ISO 11885:2009
80319	Soils, sludges, sediments. Metals, total	UNI EN 13657:2004 + UNI EN ISO 17294-2:2016
80133	Soils, sludges, sediments. Chromium VI	CNR IRSA 16 Q 64 Vol 3 1986
* 80134	Soils, sludges, sediments. Alkylphenol	EPA 3550C 2007 + EPA 8270E 2018
* 80135	Soils, sludges, sediments. Alkylphenol Etoxylates (APEO)	EPA 3550C 2007 + EPA 8321B 2007
* 80136	Soils, sludges, sediments. Chlorobenzenes and Chlorotoluenes	EPA 3550C 2007 + EPA 8270E 2018
* 80137	Soils, sludges, sediments. Chlorophenols	EPA 3550C 2007 + EPA 8270E 2018
* 80138	Soils, sludges, sediments. Dyes-Azo (forming restricted amines)	EPA 8270E 2018 (Ref. ISO 14362-1:2017)
* 80139	Soils, sludges, sediments. Dyes - Disperse (Sensitizing)	EPA 3550C 2007 + EPA 8321B 2007
* 80142	Soils, sludges, sediments. Dyes - Carcinogenic	EPA 3550C 2007 + EPA 8321B 2007
* 80143	Soils, sludges, sediments. Dyes - Brominated and Chlorinated flame retardants	EPA 3550C 2007 + EPA 8270E 2018
* 80144	Soils, sludges, sediments. Glycols	EPA 3550C 2007 + EPA 8270E 2018
* 80145	Soils, sludges, sediments. Halogenated Solvents	EPA 5021A 2014 + EPA 8260D 2018
* 80146	Soils, sludges, sediments. Organotin Compounds	ISO 23161:2009
* 80147	Soils, sludges, sediments. Perfluorinated Chemicals	ASTM D7968-17A
* 80148	Soils, sludges, sediments. Phtalates	EPA 3550C 2007 + EPA 8270E 2018
80149	Soils, sludges, sediments. Polycyclic aromatic hydrocarbon	EPA 3545A 2007 + EPA 8270E 2018
* 80151	Soils, sludges, sediments. Volatile organic compounds (VOC)	EPA 5021A 2014 + EPA 8260D 2018
* 80162	Soils. Total Hydrocarbon C10-C40 (C12-C40, C>12)	ISO 16703:2004
* 80164	Soils, sludges. Light Hydrocarbon C<10 (C<12)	EPA 5021A 2014 + EPA 8260D 2018
* 80221	Soils, sludges, sediments. Residue at 105°C	CNR IRSA 2 Q. 64 Vol 2 1984
* 80222	Soils, sludges, sediments. Fixed Solids at 600°C	CNR IRSA 2 Q. 64 Vol 2 1984
* 80223	Soils, sludges, sediments. Volatile Solids at 600°C	CNR IRSA 2 Q. 64 Vol 2 1984
80323	Soils. Humidity	DM 13/09/1999 GU n°248 21/10/1999 Met.II.2
* 80236	Soils, sludges, sediments. Acute toxicity test with crustaceans - Daphnia magna (48 h)	OECD Guideline n. 202:2004
* 80237	Soils, sludges, sediments. Freshwater algae growth inhibition test by means of green algae (72 h)	OECD Guideline n. 201:2011
* 80238	Soils, sludges, sediments. Acute toxicity test with fish - Brachidanio rerio (96 h)	OECD Guideline n. 203:2006

Special Offer

Code	Description	Methods
* 80235	Sludges. Specific parameters for sewage sludge in accordance with Appendix A, Table 3 Wastewater Guidelines Version 1.1 - 2019	Wastewater Guidelines Version 1.1 - 2019
* 80244	Sludges. Specific parameters MRS� STeP Ed. 01/2022 for sewage sludge in accordance with Annex 3	cf. STeP Ed. 01/2022

ACCESSORIES AND PARTICULAR MATERIALS

Zippers

Code	Description	Methods
* 14762	Zippers. Change in length after washing	NF G 91-010 1979
* 14800	Zippers. Strength of puller attachment	UNI EN 16732:2016 Annex B
* 14801	Closed-end zippers. Resistance to transversal for strength of closed-end	UNI EN 16732:2016 Annex C
* 14802	Zippers. Resistance to transversal strength of top stop	UNI EN 16732:2016 Annex D
* 14803	Zippers. Resistance of lateral strength of slide fastener	UNI EN 16732:2016 Annex G
* 14804	Open-end zippers. Resistance for lateral strength of open-end attachment (bottom-stop system)	UNI EN 16732:2016 Annex H
* 14805	Zippers. Resistance of tensile strength of slider locking device	UNI EN 16732:2016 Annex I
* 14806	Zippers. Resistance for open-end slide fastener single stringer slider retention	UNI EN 16732:2016 Annex J

Touch and close fasteners

Code	Description	Methods
14221	Touch and close fasteners. Overall and effective widths of tapes and the effective width of closure	UNI EN 12240:1998
* 14222	Touch and close fasteners. Longitudinal shear strength	UNI EN 13780:2003
* 14223	Touch and close fasteners. Peel strength	UNI EN 12242:2000

Elastic tapes

Code	Description	Methods
* 14228	Fabrics. Stretch	ASTM D4964-12(2020)
* 14218	Elastic tapes. Stretch	UNI EN ISO 20932-3:2020

Buttons

Code	Description	Methods
* 14770	Plastic buttons. Impact resistance	ASTM D5171-15(2020)
* 14771	Snap fasteners. Resistance to unsnapping	ASTM D 4846-96(2021)
* 14782	Snap fasteners. Holding strength of prong-ring attached	ASTM D 7142-05(2021)

Feathers and downs

Code	Description	Methods
* 14200	Feathers and downs. Quantitative composition. Manual method	UNI EN 12131:2018 + UNI EN 1885:2018
* 14201	Feathers and downs. Qualitative and quantitative composition	UNI EN 12131:2018 + UNI EN 1885:2018
* 14206	Feathers and downs. Qualitative and quantitative composition	ASTM D4524-20
* 14202	Feathers and downs. Composition labelling (for components and species)	UNI EN 12934:2001 + UNI EN 1885:2018
* 14207	Feathers and downs. Composition labelling (for components)	UNI EN 12934:2001
* 14203	Feathers. Feather frailty (manual method)	UNI 9212-7:1988

* 14205	Feather and down. Specification for feather and down filled bedding article - Walz-formula (density per cm, yarn count, weaves, composition)	UNI EN 13186:2005 + UNI EN 1049-2:1996 + UNI 9275:1988 + UNI 8099:1980 + Reg UE N 1007/2011 + ISO/TR 11827:2012 + GU EC L 19 23/01/2009 + GU CE L 242/13 14/09/2009 GU CE L32 3/02/1997 + Dir CE 2/2006 6/01/2006 GU CE L5/10 10/01/2006 + Dir CE 4/2007 2/02/2007 GU L28/14 3/02/2007 + Dir CE 122/2009 14/09/2009 GU CE L242/14 15/09/2009 UNI EN ISO 1833:2011 parts 1, 5, 8, 19, 24 (except 2); UNI EN ISO 1833:2013 parts 22, 25, 26; UNI EN ISO 1833:2017 parts 4, 7, 11; UNI EN ISO 1833:2019 parts 3, 6, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21
14325	Feathers and downs. Loss of feathers and downs	UNI EN 12132-1:2000
* 14326	Feathers and downs. Loss of feathers and downs	GB/T 14272-2021 Appendix E
14623	Feathers and downs. Turbidity of the aqueous extract	UNI EN 1164:2000
14621	Feathers and downs. Oxygen index number	UNI EN 1162:1998
14624	Feathers and downs. Oil and fat content	UNI EN 1163:1998
* 14625	Feathers and downs. Water soluble chlorides	UNI EN 1165:1998
* 62473	Feather filling materials. pH of aqueous extract	UNI 9212-9:1987
* 62474	Feathers and downs. Abnormal odour	UNI 9212-8:2003
90300	Feathers and downs. Mesophil aerobic bacteric count selective method and count agar plate method	UNI EN 1884:2000 par. 6.4
* 90310	Feathers and downs. Quantitative determination of Faecal streptococci count	UNI EN 1884:2000 par. 6.5

Fishing nets

Code	Description	Methods
* 14471	Fishing nets. Linear density (count) Skein method	UNI 9279:1988
* 14472	Fishing nets. Tensile strength. Methods for fishing of knitted piece with knot	UNI 8022:1979 + A157:1985
* 14473	Fishing nets. Tensile strength. Methods for fishing of knitted piece without knot	UNI 8022-2:1985
* 14474	Fishing nets. Breaking force of knotted threads	UNI EN ISO 1805:2007
* 14475	Fishing nets. Tensile strength of threads	UNI EN ISO 1805:2007
* 14476	Fishing nets. Thread elongation	UNI 8878:1986
* 14477	Fishing nets. Linear density (yarn count). Threads from fabric	UNI 8747:1986

Agricultural nets

Code	Description	Methods
* 13124	Agricultural nets. Linear density (yarn count). Skein method	UNI 9735:1991
* 14341	Agricultural nets. Mass per unit area	UNI 9401:1989
* 14342	Agricultural nets. Number of threads per unit of length	UNI 9403:1989
* 14343	Agricultural nets. Tensile strength and elongation	UNI 9405:1989
* 14344	Agricultural nets. Length and width	UNI 9404:1989
* 14345	Agricultural nets. Linear density (yarn count). Yarns from fabrics	UNI 9402:1989

NON-ACTIVE MEDICAL DEVICES

Absorbent cotton gauzes and absorbent cotton and viscose gauzes - UNI EN 14079:2004 specifications

Code	Description	Methods
14466	Non-active medical devices. Tensile strenght	UNI EN 14079:2004 point 5.8
14464	Non-active medical devices. Number of threads per unit of lenght	UNI EN 14079:2004 point 5.6
14465	Non-active medical devices. Mass per unit area and mass per unit of lenght	UNI EN 14079:2004 point 5.7
41111	Non-active medical devices. Identification of foreign fibres	UNI EN 14079:2004 point 5.4
41135	Non-active medical devices. Immersion time	UNI EN 14079:2004 point 5.9
41145	Non-active medical devices. Acidity and alkalinity	UNI EN 14079:2004 point 5.3
41146	Non-active medical devices. Tensioactive substances	UNI EN 14079:2004 point 5.11
41540	Non-active medical devices. Starch and dextrans	UNI EN 14079:2004 point 5.13
41143	Non-active medical devices. Fluorescence	UNI EN 14079:2004 point 5.5
* 41144	Non-active medical devices. Extractable dyes	UNI EN 14079:2004 point 5.14
41150	Non-active medical devices. Water soluble substances	UNI EN 14079:2004 point 5.12
41160	Non-active medical devices. Ether soluble substances	UNI EN 14079:2004 point 5.10
41190	Non-active medical devices. Loss on drying	UNI EN 14079:2004 point 5.15
41200	Non-active medical devices. Sulphuric ashes	UNI EN 14079:2004 point 5.16

Medical compresses

Code	Description	Methods
* 41301	Medical compresses. Absorption rate	UNI EN 1644-2:2000 Annex B
* 41302	Medical compresses. Resistance of constitutive parts	UNI EN 1644-2:2000 Annex C
* 41303	Medical compresses. Bursting resistance	UNI EN 1644-2:2000 Annex D
* 41306	Medical nonwoven compresses. Determination of substances soluble in non-polar solvents	UNI EN 1644-1:1997 Annex G
* 41307	Medical compresses. Water soluble substances	UNI EN 1644-1:1997 Annex D
* 41308	Medical compresses. Fluorescence	UNI EN 1644-1:1997 Annex E
* 41309	Medical compresses. pH determination	UNI EN 1644-1:1997 Annex F

Surgical drapes and gowns and clean air suits, used as medical devices for patients, clinical staff and equipment. UNI EN 13795-1:2019 and UNI EN 13795-2:2019

Code	Description	Methods
90119	Surgical drapes and gowns. Penetration by biologically contaminated powders	UNI EN ISO 22612:2005 + EC 1-2011 + UNI EN 13795-1:2019
90124	Surgical drapes and gowns. Wet bacterial penetration	UNI EN ISO 22610:2006 + UNI EN 13795-1:2019
* 90194	Surgical drapes and gowns. Evaluation of cleanliness - microbial. Stomaching method	UNI EN ISO 11737-1:2021 + UNI EN 13795-1:2019
* 90136	Surgical drapes and gowns. Lint and other particles generation in the dry state (linting)	UNI EN ISO 9073-10:2005 + UNI EN 13795-1:2019
90290	Surgical drapes and gowns. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 13795-1:2019
* 90281	Surgical drapes and gowns. Bursting Strength	UNI EN ISO 13938-1:2001 + EC 1-2004 + UNI EN 13795-1:2019
90125	Surgical drapes and gowns. Tensile Strenght. Strip method	UNI EN 29073-3:1993 + UNI EN 13795-1:2019
* 90133	Textile fabric and nonwoven. Sliding of liquid on an inclined plane. Run-off	UNI EN ISO 9073-11:2005 + UNI EN 13795-1:2019

* 90126	Clean air suits. Penetration by biologically contaminated powders	UNI EN ISO 22612:2005 + EC 1-2011 + UNI EN 13795-2:2019
* 90127	Clean air suits. Evaluation of cleanliness - microbial. Stomaching method	UNI EN ISO 11737-1:2021 + UNI EN 13795-2:2019
* 90128	Clean air suits. Lint and other particles generation in the dry state (linting)	UNI EN ISO 9073-10:2005 + UNI EN 13795-2:2019
* 90129	Clean air suits. Bursting Strength	UNI EN ISO 13938-1:2001 + EC 1- 2004 + UNI EN 13795-2:2019
* 90137	Clean air suits. Tensile Strength. Strip method	UNI EN 29073-3:1993 + UNI EN 13795-2:2019

Medical face masks

Code	Description	Methods
* 90104	Medical face masks. Resistance to penetration by synthetic blood	ISO 22609:2004 + UNI EN 14683:2019 + AC 2019
* 90105	Medical face masks. Bacterial filtration efficiency (BFE)	UNI EN 14683:2019 + AC 2019
* 90106	Medical face masks. Microbial cleanliness (Bioburden)	UNI EN ISO 11737-1:2021 + UNI EN 14683:2019 + AC 2019
* 14323	Medical face masks. Differential pressure	UNI EN 14683:2019

STANDARD 100 by OEKO-TEX®

General costs

Code	Description	Methods
60000	Certificate issuing	
60001	Certificate (paper form)	
60002	Certificate renewal	
60003	Excerpt Certificate	
60005	Certificate issuing for GMO cotton – in addition to existing certificate	
60008	Certificate renewal for GMO cotton - in addition to existing certificate	
60006	Certificate issuing for recycled material - in addition to existing certificate	
60007	Certificate renewal for recycled material - in addition to existing certificate	
60900	Translation of the certificate into English or French or German or Spanish language	
60004	Test report editing	
60948	Audit STANDARD 100 by OEKO-TEX®	
60947	Re-Audit STANDARD 100 by OEKO-TEX®	
60951	Evaluation of technical documentation and preparation of test planning	

Tests

Code	Description	Methods
60470	Textiles, Accessories. pH of aqueous extract	OEKO-TEX® Standard 201 M-1 2020 + UNI EN ISO 3071:2020
60411	Textiles, Accessories. Free and hydrolized formaldehyde. Aqueous extraction method	OEKO-TEX® Standard 201 M-8 2020 + JIS L 1041:2011
60101	Textiles, Accessories. Heavy metals in aqueous extracts	OEKO-TEX® Standard 201 M-10 & ML-10 2019
60011	Textiles, Accessories. Heavy metals in liquid extracts on dyed products. (Sb, As, Pb, Cd, Cr tot, Co, Cu, Ni, Hg, Ba, Se) + (Zn, Mn for Appendix VI)	OEKO-TEX® Standard 201 M-10 & ML-10 2019
60012	Textiles, Accessories. Heavy metals in liquid extracts on Class I metallic accessories (Sb, As, Pb, Cd, Cr tot, Co, Ni, Hg, Ba, Se) + (Zn, Mn for Appendix VI)	OEKO-TEX® Standard 201 M-10 & ML-10 2019
60013	Textiles, Accessories. Heavy metals in liquid extracts on Class II, III, IV metallic accessories (Sb, As, Pb, Cd, Cr tot, Co, Ni, Hg, Ba, Se) + (Zn, Mn for Appendix VI)	OEKO-TEX® Standard 201 M-10 & ML-10 2019
60105	Textiles, Accessories. Hexavalent chromium	OEKO-TEX® Standard 201 M-10 & ML-10 2019 + OEKO-TEX® Standard 201 M-12 2017 + DIN 38405:1987 Part 24
60111	Textiles, Accessories. Nichel released in perspiration solution after simulation of wear and corrosion	OEKO-TEX® Standard 201 M-10 & ML-10 2019 + OEKO-TEX® Standard 201 M-20 2017 + UNI EN 12472:1998 (withdrawn)
60117	Textiles, Accessories. Total heavy metals	OEKO-TEX® Standard 201 M-21 & ML-21 2017
60200	Textiles, Accessories. Polar and unpolar pesticides (included Glyphosate)	OEKO-TEX® Standard 201 M-6-A & ML-6-A 2017 + OEKO-TEX® Standard 201 M-6-B & ML-6-B 2017 + OEKO-TEX® Standard 201 M-6-C & ML-6-C 2019
60210	Textiles, Accessories. Phenols (chlorinated and OPP) and phenol	OEKO-TEX® Standard 201 M-7 2020
60213	Textiles, Accessories. Polycyclic aromatic hydrocarbons	OEKO-TEX® Standard 201 M-23 & ML-23 2020

60214	Textiles, Accessories. Organotin compounds	OEKO-TEX® Standard 201 M-17 2021 & ML-17 2017
60215	Textiles, Accessories. Chlorinated benzenes and toluenes	OEKO-TEX® Standard 201 M-2 & ML-2 2020
60219	Textiles, Accessories. Aromatic amines derived from azocolorants (without extraction) and aniline	OEKO-TEX® Standard 201 M-3 2020 + UNI EN ISO 14362-1:2017
60216	Textiles, Accessories. 4-aminoazobenzene from azocolorants	OEKO-TEX® Standard 201 M-19 2018 + UNI EN ISO 14362-3:2017
60220	Textiles, Accessories. Aromatic amines derived from azocolorants (with extraction) and aniline	OEKO-TEX® Standard 201 M-3 2020 + UNI EN ISO 14362-1:2017
60217	Textiles, Accessories. 4-aminoazobenzene from azocolorants accessible by extracting the fibres	OEKO-TEX® Standard 201 M-19 2018 + UNI EN ISO 14362-3:2017
* 60226	Textiles, Accessories. Free aromatic amines	OEKO-TEX® Standard 201 M-3 2020 + UNI EN ISO 14362-1:2017
* 60224	Textiles, Accessories. Chinolin	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2019
* 60222	Textiles, Accessories. Allergenic/carcinogenic disperse dyestuffs	OEKO-TEX® Standard 201 M-4-A & ML-4-A 2018 + OEKO-TEX® Standard 201 M-4-B & ML-4-B 2017
60225	Textiles, Accessories. Phthalates (plasticizers) and bisphenol A	OEKO-TEX® Standard 201 M-18 & ML-18 2020
* 60233	Textiles, Accessories. Dimethylfumarate	OEKO-TEX® Standard 201 M-27 & ML-27 2021
* 60230	Textiles, Accessories. Volatile substances and formaldehyde	OEKO-TEX® Standard 201 M-14 & ML-14 2020 + OEKO-TEX® Standard 201 M-15 & ML-15 2020
60231	Textiles, Accessories. Volatile substances	OEKO-TEX® Standard 201 M-14 & ML-14 2020
* 60229	Textiles, Accessories. Formaldehyde emission	OEKO-TEX® Standard 201 M-15 & ML-15 2020
60232	Textiles, Accessories. Perfluorinated compounds	OEKO-TEX® Standard 201 M-22 & ML-22 2017
* 60331	Textiles. Chlorinated paraffins (SCCP and MCCP). Screening test	OEKO-TEX® Standard 201 M-24 & ML-24 2017
* 60332	Textiles. Chlorinated paraffins (SCCP and MCCP). Complete test	OEKO-TEX® Standard 201 M-24 & ML-24 2017
60334	Textiles, Accessories. Surfactant, wetting agent residues. Alkylphenols and Alkylphenoethoxylates	OEKO-TEX® Standard 201 M-25 & ML-25 2018
* 60335	Textiles, Accessories. Solvent residues	OEKO-TEX® Standard 201 M-26 & ML-26 2021
60280	Textiles, Accessories. Colour fastness to water	OEKO-TEX® Standard 201 M-9-C 2017 + UNI EN ISO 105-E01:2013
60320	Textiles, Accessories. Colour fastness to perspiration	OEKO-TEX® Standard 201 M-9-B 2017 + UNI EN ISO 105-E04:2013
60321	Textiles, Accessories. Colour fastness to saliva and perspiration	OEKO-TEX® Standard 201 M-9-A 2017
60351	Textiles, Accessories. Colour fastness to dry rubbing	OEKO-TEX® Standard 201 M-9-D 2017 + UNI EN ISO 105-X12:2016
60240	Textiles, Accessories. Determination of odour	OEKO-TEX® Standard 201 M-16 & ML-16 2017 + SNV 195651:1968

60250	Textiles, Accessories. Odour test	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2016
* 60253	Textiles, Accessories. Determination of UV-stabilizers	OEKO-TEX® Standard 201 M-28 & ML-28 2020
* 60251	Textiles. Identification of fibres in textiles: natural and man-made	Qualitative analysis using optical microscopy and FT-IR spectrometry
* 60252	Metal accessories. Elemental composition	Qualitative analysis using Energy Dispersive X-ray spectrometry (XRF)
* 60254	Textiles, Accessories. Flame retardants - Part A and B: Brominated and phosphorated flame retardants	OEKO-TEX® Standard 201 M-30A & ML-30A 2017 + OEKO-TEX® Standard 201 M-30B & ML-30B 2017
* 60255	Textiles, Accessories. VOC's and Kresole. Chlorinated solvents	OEKO-TEX® Standard 201 M-31 2017 & ML-31 2018
60256	Textile. GMO Screening	OEKO-TEX® Standard 201 M-33 2018
* 60257	Textiles, Accessories. ADCA (azodicarboxamid)	OEKO-TEX® Standard 201 M-35 2019
* 60258	Textiles, Accessories. Siloxane	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2019
* 60259	Textiles, Accessories. N-nitrosamine	OEKO-TEX® Standard 201 M-34 & ML-34 2020
* 60211	Textiles, Accessories. Bisphenols (BPA, BPS, BPF, BPAF, BPB)	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2022
* 60212	Textiles, Accessories. Glutaraldehyde	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2022

LEATHER STANDARD by OEKO-TEX®

General costs

Code	Description	Methods
63690	Certificate issuing	
63691	Certificate (paper form)	
63692	Excerpt Certificate	
63693	Certificate renewal	
63694	Translation of the certificate into English or French or German or Spanish language	
63695	Test report editing	
63696	Evaluation of technical documentation and preparation of test planning	
63697	Audit LEATHER STANDARD by OEKO-TEX®	
63698	Re-Audit LEATHER STANDARD by OEKO-TEX®	

Tests

Code	Description	Methods
* 63605	Leather. Dry mass determination	OEKO-TEX® Standard 201 ML-0 2017
63670	Leather. pH of aqueous extract	OEKO-TEX® Standard 201 ML-1 2017
* 63615	Leather. Chlorinated benzenes and toluenes	OEKO-TEX® Standard 201 M-2 & ML-2 2020
63621	Leather. Aromatic amines derived from azocolorants	OEKO-TEX® Standard 201 ML-3 2020 + UNI EN ISO 17234-1:2020
63618	Leather. 4-aminoazobenzene from azocolorants	OEKO-TEX® Standard 201 ML-3 2020 + UNI EN ISO 17234-2:2011
* 63641	Leather. Free aromatic amines	OEKO-TEX® Standard 201 ML-3 2020 + UNI EN ISO 17234-1:2020
* 63623	Leather. Chinolin	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2019
* 63622	Leather. Allergenic/carcinogenic disperse dyestuffs	OEKO-TEX® Standard 201 M-4-B & ML-4-B 2017
* 63600	Leather. Polar and unpolar pesticides	OEKO-TEX® Standard 201 M-6-A & ML-6-A 2017 + OEKO-TEX® Standard 201 M-6-B & ML-6-B 2017
* 63662	Leather. Phenols (chlorinated) and phenol	OEKO-TEX® Standard 201 ML-7 2018
63669	Leather. Formaldehyde	OEKO-TEX® Standard 201 ML-8 2017 + UNI EN ISO 17226-1:2021
* 63601	Leather. Colour fastness to saliva	OEKO-TEX® Standard 201 ML-9-A 2017 + ISO 20701:2017
* 63602	Leather. Colour fastness to perspiration	OEKO-TEX® Standard 201 ML-9-B 2017 + UNI EN ISO 11641:2013
* 63603	Leather. Colour fastness to water	OEKO-TEX® Standard 201 ML-9-C 2017 + UNI EN ISO 11642:2013
* 63604	Leather. Colour fastness to rubbing	OEKO-TEX® Standard 201 ML-9-D 2021 + UNI EN ISO 11640:2018
* 63668	Leather. Heavy metals in liquid extracts (Sb, As, Pb, Cd, Cr tot, Co, Cu, Ni, Hg, Ba, Se)	OEKO-TEX® Standard 201 M-10 & ML-10 2019
* 63606	Leather. Heavy metals in aqueous extracts	OEKO-TEX® Standard 201 M-10 & ML-10 2019
63663	Leather. Hexavalent chromium (before and after heat aging)	OEKO-TEX® Standard 201 ML-12 2017

* 63631	Leather. Volatile substances	OEKO-TEX® Standard 201 M-14 & ML-14 2020
* 63629	Leather. Formaldehyde emission	OEKO-TEX® Standard 201 M-15 & ML-15 2020
* 63630	Leather. Volatile substances and formaldehyde	OEKO-TEX® Standard 201 M-14 & ML-14 2020 + OEKO-TEX® Standard 201 M-15 & ML-15 2020
* 63640	Leather. Determination of odour	OEKO-TEX® Standard 201 M-16 & ML-16 2017 + SNV 195651:1968
* 63650	Leather. Odour test	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2017
* 63614	Leather. Organotin compounds	OEKO-TEX® Standard 201 M-17 2016 & ML-17 2017
* 63625	Leather. Phthalates (plasticizers) and bisphenol A	OEKO-TEX® Standard 201 M-18 & ML-18 2020
* 63667	Leather. Total heavy metals	OEKO-TEX® Standard 201 M-21 & ML-21 2017
* 63661	Leather. Total heavy metals	OEKO-TEX® Standard 201 M-21 & ML-21 2017
* 63632	Leather. Perfluorinated compounds	OEKO-TEX® Standard 201 M-22 & ML-22 2017
* 63613	Leather. Polycyclic aromatic hydrocarbons	OEKO-TEX® Standard 201 M-23 & ML-23 2020
* 63686	Leather. Short chain chlorinated paraffins (SCCP and MCCP). Complete test	OEKO-TEX® Standard 201 M-24 & ML-24 2017
* 63687	Leather. Short chain chlorinated paraffins (SCCP and MCCP). Screening test	OEKO-TEX® Standard 201 M-24 & ML-24 2017
* 63634	Leather. Surfactant, wetting agent residues. Alkylphenols and Alkylphenoethoxylates (NP, OP, NPEO and OPEO)	OEKO-TEX® Standard 201 M-25 & ML-25 2018
* 63633	Leather. Dimethylfumarate	OEKO-TEX® Standard 201 M-27 & ML-27 2017
* 63653	Leather. UV Stabilizers	OEKO-TEX® Standard 201 M-28 & ML-28 2017
* 63610	Leather. Preservative agents	OEKO-TEX® Standard 201 ML-29 2017
* 63635	Leather. Solvent residues (NMP)	OEKO-TEX® Standard 201 ML-32 2017
* 63636	Leather. Solvent residues	OEKO-TEX® Standard 201 M-26 & ML-26 2019
* 63637	Leather. ADCA (azodicarboxamid)	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2019
* 63638	Leather. N-nitrosamine	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2019
* 63639	Leather. Siloxane	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2019
* 63642	Leather. Flame retardants - Part A and B: Brominated and phosphorated flame retardants	OEKO-TEX® Standard 201 M-30A & ML-30A 2017 + OEKO-TEX® Standard 201 M-30B & ML-30B 2017
* 63607	Leather. Bisphenols (BPA, BPS, BPF, BPAF, BPB)	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2022
* 63608	Leather. Glutaraldehyde	LEATHER STANDARD by OEKO-TEX® - Testing Procedures 01/2022

ECO PASSPORT by OEKO-TEX®

APPLICABLE TO COLOURANTS, PIGMENTS AND AUXILIARIES

General costs

Code	Description	Methods
63500	Certificate issuing	
63501	Certificate (paper form)	
63502	Certificate renewal	
63503	Excerpt Certificate	
63504	Translation of the certificate into English or French or German or Spanish language	
63505	Test report editing	
63529	Audit ECO PASSPORT by OEKO-TEX® including Self Assessment	
63530	Re-Audit ECO PASSPORT by OEKO-TEX®	
63506	Evaluation of technical documentation and preparation of test planning	
63532	Self Assessment	

Tests

Code	Description	Methods
63507	Colourants and auxiliaries. Aromatic amines derived from azocolourants	ECO PASSPORT Method M-EP-3 2021
* 63522	Colourants, pigments and auxiliaries. 4-aminoazobenzene from azocolourants	ECO PASSPORT Method M-EP-2 2016
* 63527	Colourants, pigments and auxiliaries. Chinolin	ECO PASSPORT Testing Methods 01/2019
* 63508	Colourants, pigments and auxiliaries. Determination of banned disperse dyes	ECO PASSPORT Method M-EP-2 2016
* 63509	Colourants, pigments and auxiliaries. Chlorinated benzenes and toluenes	ECO PASSPORT Method M-EP-3 2016
* 63510	Colourants, pigments and auxiliaries. Phenols (chlorinated and OPP)	ECO PASSPORT Method M-EP-7 2021
* 63511	Colourants, pigments and auxiliaries. Organotin compounds	ECO PASSPORT Method M-EP-17 2021
* 63512	Colourants, pigments and auxiliaries. Phthalates and siloxane	ECO PASSPORT Method M-EP-18 2020
* 63513	Colourants, pigments and auxiliaries. Polycyclic aromatic hydrocarbons	ECO PASSPORT Internal Method 2021
63514	Colourants and auxiliaries. Surfactant, wetting agent residues. Alkylphenols and Alkylphenoethoxylates and Bisphenol A	ECO PASSPORT Method M-EP-25 2021
* 63515	Colourants, pigments and auxiliaries. Solvent residues	ECO PASSPORT Method M-EP-9 2016
* 63516	Colourants, pigments and auxiliaries. Perfluorinated compounds	ECO PASSPORT Method M-EP-10 2019
* 63523	Colourants, pigments and auxiliaries. Chlorinated paraffins (SCCP + MCCP). Screening test	ECO PASSPORT Method M-EP-11 2016
* 63517	Colourants, pigments and auxiliaries. Chlorinated paraffins (SCCP + MCCP)	ECO PASSPORT Method M-EP-11 2016
63518	Colourants and auxiliaries. Formaldehyde	ECO PASSPORT Method M-EP-8 2020
* 63519	Colourants, pigments and auxiliaries. Heavy metals (Sb, As, Pb, Cd, Cr tot, Co, Cu, Ni, Hg, Ag, Ba, Fe, Mn, Se, Sn, Zn)	ECO PASSPORT Method M-EP-21 2020
* 63520	Colourants, pigments and auxiliaries. Hexavalent chromium	ECO PASSPORT Internal Method 2016
* 63521	Colourants, pigments and auxiliaries. Dimethylfumarate	ECO PASSPORT Method M-EP-27 2021
* 63524	Colourants, pigments and auxiliaries. Determination of UV-stabilizers	ECO PASSPORT Internal Method 2021
* 63525	Colourants, pigments and auxiliaries. VOC's and Kresole. Chlorinated solvents	ECO PASSPORT Internal Method 2018
* 63526	Colourants, pigments and auxiliaries. ADCA (azodicarboxamid)	ECO PASSPORT Testing Methods 01/2019
* 63528	Colourants, pigments and auxiliaries. Siloxane	ECO PASSPORT Testing Methods 01/2019
* 63531	Colourants, pigments and auxiliaries. Flame retardants - Part A and B: Brominated and phosphorated flame retardants	ECO PASSPORT Internal Method 2018
* 63533	Colourants, pigments and auxiliaries. Biological active products (Permethrin, Triclosan)	ECO PASSPORT Method M-EP-6-D 2020
* 63534	Colourants, pigments and auxiliaries. Thiourea	ECO PASSPORT Method M-EP-36 2021



* 63535	Colourants, pigments and auxiliaries. AEEA [2-(2-aminoethylamino)ethanol]	ECO PASSPORT Method M-EP-37 2021
* 63536	Colourants, pigments and auxiliaries. Monomeric diisocyanates	ECO PASSPORT Method M-EP-38 2021
* 63537	Colourants, pigments and auxiliaries. Preservative agents and phenol	ECO PASSPORT Method M-EP-29 2020
* 63540	Colourants, pigments and auxiliaries. Bisphenols (BPA, BPS, BPF, BPAF, BPB)	ECO PASSPORT Internal Method 2022
* 63541	Colourants, pigments and auxiliaries. Glutaraldehyde	ECO PASSPORT Internal Method 2022
* 63538	ECO PASSPORT by OEKO-TEX® test plan - full testing plan (issuing and three-year renewal)	
* 63539	ECO PASSPORT by OEKO-TEX® test plan - reduced testing plan (partial renewal)	

ECOLABEL LABEL

General costs

Code	Description	Methods
61951	Evaluation of technical documentation and preparation of test planning	
61952	Preparation of technical documentation to be produced to the Competent Body	

Tests

Code	Description	Methods
61412	Textiles. Free and hydrolized formaldehyde. Aqueous extraction method	UNI EN ISO 14184-1:2011
* 61302	Textiles. Organophosphoric compounds	US EPA 8141B 2007 + US EPA 3540C 1996
* 61303	Cotton and other natural cellulosic seed fibers. Chlorinated pesticides and herbicides	US EPA 8081B 2007 + US EPA 8151A 1996
* 61305	Cotton and other natural cellulosic seed fibers. Semivolatile organic compounds	US EPA 8270E-2018
* 61301	Speciality fibres and sheep's wool. Organochlorinated, organophosphorus and pyrethroid compounds	IWTO Draft Test Method 59:2009
* 61212	Textiles. Chlorophenols	Commission Decision 2009/567/CE
* 61307	Textiles. Polychlorinated biphenyls (PCB's)	Commission Decision 2009/567/CE
* 61214	Textiles, Accessories. Tin organic compounds	Commission Decision 2009/567/CE
61219	Textiles, Accessories. Aromatic amines derived from azo colorants	UNI EN ISO 14362-1:2017
61216	Textiles, Accessories. 4-aminoazobenzene from azocolorants	UNI EN ISO 14362-3:2017
61320	Textiles. Colour fastness to perspiration	UNI EN ISO 105-E04:2013
61350	Textiles. Colour fastness to rubbing	UNI EN ISO 105-X12:2016
61011	Textiles. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010
61230	Textiles. Colour fastness to artificial light: Xenon arc fading lamp test	UNI EN ISO 105-B02:2014 - Exposure cycle A1
61110	Textiles. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 5077:2008 + UNI EN ISO 3759:2011
* 61313	Waste water. Chemical oxygen demand	ISO 6060:1989
* 61312	Waste water. pH	APAT IRSA-CNR – Manual and Guidelines 29:2003 – Method 2060
* 61314	Waste water. Temperature	APAT IRSA-CNR – Manual and Guidelines 29:2003 – Method 2100

ECOLOGICAL TESTS

Tests

Code	Description	Methods
62471	Textiles. pH of aqueous extract	AATCC 81-2016
62413	Textiles. Free and hydrolized formaldehyde. Aqueous extraction method	JIS L 1041:2011
62414	Textiles. Released formaldehyde. Vapour absorption method	UNI EN ISO 14184-2:2011
62417	Textiles. Released formaldehyde. Vapour absorption method	AATCC 112-2020
* 62416	Wood-based panels. Formaldehyde release. Flask method	UNI EN 717-3:1997
* 62263	Coated textiles, plastic materials. Formaldehyde	VDA 275-1994
* 62455	Metal products. Qualitative test of nickel by direct and prolonged contact with the skin	BS PD CR 12471:2002
62111	Metal accessories. Release of nickel after simulation of wear and corrosion	UNI EN 12472:2021 + UNI EN 1811:2015
* 62119	Accessories. Release of nickel	UNI EN 16128:2015
62101	Textiles, Accessories. Extractable heavy metals (As, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb) in liquid extracts (hydrochloric acid)	DIN 54233-2:2014
62124	Textiles, Accessories. Extractable heavy metals (As, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb) in liquid extracts (saliva)	DIN 54233-4:2014
* 62105	Textiles, Accessories. Chromium hexavalent	DIN 38405-24:1987
62315	Textiles, Accessories. Total heavy metals	UNI EN 16711-1:2015
62117	Textiles, Accessories. Total mercury	UNI EN 16711-1:2015
62121	Textiles, Accessories. Chemical elements. X-ray fluorescence spectrometry	ASTM F2617-15
* 62311	Plastics. Cadmium Wet decomposition method	UNI EN 1122:2002 Met. B
* 62127	Textiles, Accessories. Lead release by artificial saliva solution	UNI EN 16711-3:2019
* 69010	Plastics. Polymers of Ethylene and Ethylene-Vinyl Acetate (EVA) Copolymers. Butylated Hydroxy Toluene (BHT)	ASTM D4275-17
* 68336	Plastics. Monomeric diisocyanates	UNI EN ISO 10283:2008
* 68337	Plastics. Free diisocyanates	UNI EN 13130-8:2005
* 62201	Chromatographic analysis	Solvent extraction and chromatographic analysis with mass detector (GC/MS or LC/MS)
* 62200	Textiles. Polar and non polar pesticides	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2016
* 62301	Speciality fibres and sheep's wool. Organochlorinated, organophosphorus and pyrethroid compounds	IWTO Draft Test Method 59:2009
* 62307	Textiles. Polychlorinated biphenyls (PCB's)	US EPA 8082A 2007
* 62211	Textiles, Accessories. Orthophenylphenol (OPP)	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2016
62209	Textiles, Accessories. Pentachlorophenols	BVL B 82.02-8 - 2001
62210	Textiles, Accessories. Trichlorophenols, tetrachlorophenols and pentachlorophenol (TriCP, TeCP and PCP)	BVL B 82.02-8 - 2001
* 62215	Textiles, Accessories. Chlorinated benzenes and toluenes	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2016
* 62331	Textiles, Accessories. Chlorinated benzenes and toluenes	UNI EN 17137:2019
* 62237	Textiles, Accessories. Free aromatic amines	MIP 138:2014 Rev.0
* 62223	Textiles, Accessories. Carcinogenic dyestuffs	UNI EN ISO 16373-3:2014
* 62224	Textiles, Accessories. Navy Blue (CAS Nr 118685-33-9)	MIP 141:2014 Rev.0
* 62227	Textiles. Benzyl benzoate	UNI EN ISO 14389:2014
62230	Textiles, Accessories. Volatile compounds and formaldehyde	OEKO-TEX® Standard 201 M-14 2020 + OEKO-TEX® Standard 201 M-15 2020
62231	Textiles, Accessories. Volatile compounds	OEKO-TEX® Standard 201 M-14 2020
* 62202	Textiles, Accessories. Volatile organic compounds (qualitative analysis)	MIP 137:2014 Rev.0

* 62203	Textiles, Accessories. Volatile organic compounds (quantitative analysis)	MIP 137:2014 Rev.0
62251	Building products, Furnishing products. Emission of volatile organic compounds. Emission test chamber method	UNI EN ISO 16000-9:2006 + ISO 16000-6:2021
* 62252	Building products, Furnishing products. Emission of formaldehyde. Emission test chamber method	UNI EN ISO 16000-9:2006 + ISO 16000-3:2011
* 62260	Coated textiles, plastic materials. Volatile compounds	VDA 278 2011
* 62261	Coated textiles, plastic materials. Fogging	VDA 278 2011
* 62302	Textiles. Organophosphoric compounds	US EPA 8141B 2007 + US EPA 3540C 1996
* 62303	Cotton and other natural cellulosic seed fibers. Chlorinated pesticides and herbicides	US EPA 8081B 2007 + US EPA 8151A 1996
* 62401	Textiles. Permethrin	US EPA 608.2
* 62402	Plastics and rubber parts. Drometrizole	Solvent extraction and chromatographic analysis with mass detector (LC/MS)
* 62403	Accessories and plastic materials. Acetophenone Azine	MIP 143:2015 Rev.0
* 62404	Accessories and plastic materials. Acetophenone Azine: migration into acid perspiration solution	MIP 144:2015 Rev.0
* 62405	Accessories and plastic materials. Acetophenone Azine: migration into alkaline perspiration solution	MIP 145:2015 Rev.0
* 62406	Colophony and its markers	MIP 147:2017 Rev.0
62240	Textiles, Accessories. Determination of odour	SNV 195651:1968
62250	Textiles, Accessories. Odour test	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2016
* 62262	Coated textiles, plastic materials. Fogging	VDA 270-2018
* 63551	Textiles, Accessories. Special quotation DETOX	Cfr. methods of the single substances
* 62207	Chromatographic analysis (qualitative test)	Solvent extraction and chromatographic analysis with mass detector (GC/MS or LC/MS)
* 62239	Chromatographic analysis (quantitative test)	Solvent extraction and chromatographic analysis with mass detector (GC/MS or LC/MS)
* 62241	Cosmetic products. Hexamidine	Solvent extraction and chromatographic analysis
* 62242	Textiles, Accessories. Paraphenylene diamine (PPD)	MIP 155:2018 Rev.0
* 62243	Silicone. Peroxide substances: dicumyl peroxide	MIP 156:2018 Rev. 0
* 62264	Plastics. Ash content	UNI EN ISO 3451-5:2003
* 69100	Cotton. Screening of GMOs	ISO IWA 32:2019
62470	Textiles. pH of aqueous extract	UNI EN ISO 3071:2020
62412	Textiles. Free and hydrolized formaldehyde. Aqueous extraction method	UNI EN ISO 14184-1:2011
62114	Metal accessories. Release of nickel	UNI EN 1811:2015
62123	Textiles, Accessories. Extractable heavy metals (As, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb) in liquid extracts (acid perspiration)	UNI EN 16711-2:2015
62330	Textiles, Accessories. Alkylphenols (NP, OP)	UNI EN ISO 21084:2019
* 62312	Textiles, Accessories. Alkylphenoethoxylates (NPEO, OPEO)	MIP 131:2017 Rev.1
62325	Textiles, Accessories. Alkylphenoethoxylates (NPEO, OPEO)	ISO 18254-1:2016
62208	Textiles, Accessories. Tetrachlorophenols and pentachlorophenol (TeCP and PCP)	UNI 11057:2003
62213	Textiles, Accessories. Polycyclic aromatic hydrocarbons	AfPS GS 2019:01
* 62214	Textiles, Accessories. Tin organic compounds	MIP 132:2014 Rev.0
62235	Textiles, Accessories. Chlorinated benzenes and toluenes	DIN 54232:2010
62219	Textiles, Accessories. Aromatic amines derived from azocolorants	UNI EN ISO 14362-1:2017

62229	Textiles, Accessories. Aromatic amines derived from azocolorants (without extraction)	UNI EN ISO 14362-1:2017
62216	Textiles, Accessories. 4-aminoazobenzene from azocolorants	UNI EN ISO 14362-3:2017
62220	Textiles, Accessories. Aromatic amines derived from azocolorants (with extraction)	UNI EN ISO 14362-1:2017
62217	Textiles, Accessories. 4-aminoazobenzene from azocolorants accessible by extracting the fibres	UNI EN ISO 14362-3:2017
* 62222	Textiles, Accessories. Allergenic/carcinogenic disperse dyestuffs	DIN 54231:2005
62225	Textiles, Accessories. Phthalates	UNI EN ISO 14389:2014
62232	Textiles, Accessories. Perfluorinated compounds	UNI CEN/TS 15968:2010
62238	Textiles, Accessories. Perfluorinated compounds - complete offer	UNI CEN/TS 15968:2010
* 62233	Textiles. Dimethyl fumarate	UNI CEN ISO/TS 16186:2022
* 62265	Textiles. Determination of certain flame retardants Brominated flame retardants	UNI EN ISO 17881-1:2016
* 62266	Textiles. Determination of certain flame retardants Phosphorus flame retardants	UNI EN ISO 17881-2:2016
* 62267	Textiles, Accessories. Chinolin	STANDARD 100 by OEKO-TEX® - Testing Methods 01/2020
* 62268	Textiles, Accessories. Determination of organotin compounds - Part 1: method using gas chromatography	EN ISO 22744-1:2020
* 62270	Textiles, Accessories. Polycyclic aromatic hydrocarbons	UNI EN 17132:2019
* 62271	Textiles, Accessories. Determination of dimethylfumarate (DMFu)	UNI EN 17130:2019

Special offer

Code	Description	Methods
* 66010	Special for all natural fiber textiles materials conformity to Annex XVII of the Regulation 1907/2006 (REACH)	Cfr. methods of the single substances
* 66011	Special for all textile materials, plastisol printed or coated Annex XVII of the Regulation 1907/2006 (REACH)	Cfr. methods of the single substances
* 66012	Special for all dyed materials with disperse dyestuffs: conformity to Annex XVII of the Regulation 1907/2006 (REACH)	Cfr. methods of the single substances
* 66013	Special for metallic and non metallic accessories, possibly coated: conformity to Annex XVII of the Regulation 1907/2006 (REACH) and to CPSIA and to 16 CFR 1303 (US market)	Cfr. methods of the single substances
* 66019	Textiles and accessories: special for minima environmental standards (CAM)	

USA. Tests to verify products' and accessories' conformity.

Centrocot is accredited CPSIA no. 1070 (Consumer Product Safety Improvement) as independent laboratory to perform ecological tests (determination of phthalates, determination of lead content in varnishes, in metallic and non-metallic products, in jewellery and toys) and flammability tests (on textiles for wearing apparel).

Tests

Code	Description	Methods
62314	Surface-coating materials. Lead	16 C.F.R. Part 1303:2008 + CPSC-CH-E1003-09.1 February 2011
* 62316	Textiles, Accessories. Total lead	CPSC-CH-E1002-08.3 November 2012 + P.L.110-314 Sec. 101(a) + ASTM F2617-08 + ASTM F2853-10(2015)
62317	Metal accessories for child. Total lead	CPSC-CH-E1001-08.3 November 2012
62319	Non metal products for child. Total lead	CPSC-CH-E1002-08.3 November 2012 + ASTM F2617-08 + ASTM F2853-10(2015) + 16 C.F.R. Part 1303:2008
62323	Toys. Surface coating materials. Migration of certain elements (Sb, As, Ba, Cd, Pb, Hg, Se)	ASTM F 963-17 sec. 4.3.5.2
62318	Surface coating materials. Migration of certain elements (Sb, As, Ba, Cd, Pb, Hg, Se)	ASTM F 963-17 sec. 4.3.5.1(2)
* 62122	Surface coating materials, Accessories. Total lead with X-ray fluorescence spectrometry	16 C.F.R. Part 1303 + ASTM F2853-10(2015)
* 62118	Metal products. Extractable cadmium	CPSC-CH-E1004-11 February 03, 2011
62226	Children's toys and child care articles. Phthalates	CPSC-CH-C1001-09.4:2018
14779	Children's clothing. Determination of removal force of attached components	CPSC 16 CFR 1500.51:2012 (par. F 0-18 months) CPSC 16 CFR 1500.52:2012 (par. F 19-36 months) CPSC 16 CFR 1500.53:2012 (par. F 37-96 months)
* 14785	Children's clothing. Safety specification for drawstrings	ASTM F1816-18
14780	Toys and other articles intended for use by children under 3 years of age. Choking, aspiration or ingestion hazard caused by small parts	CPSC 16 CFR 1501 [except 1501.4 (b) (2)]
* 14778	Toys and other articles intended for use by children under 8 years of age. Sharp point (depth of penetration)	CPSC 16 CFR 1500.48:2012
* 14777	Toys and other articles intended for use by children under 8 years of age. Sharp edge (cutting length)	CPSC 16 CFR 1500.49:2012
* 14770	Plastic buttons. Impact resistance	ASTM D5171-15(2020)
* 13102	Textiles. Identification of fibres in textiles	AATCC 20-2021 + 16 C.F.R. Part 303
* 14149	Textiles. Quantitative analysis of blends of textile fibres	AATCC 20A-2021 + 16 C.F.R. Part 303
14125	Fabrics. Mass per unit area and mass per unit length	ISO 3801:1977 ASTM D3776/D3776-20
70414	Textiles. Flammability	CPSC 16 C.F.R. Part 1610:2008 + AATCC 124-2009
* 70418	Textiles and accessories for children's sleepwear. Sizes and ergonomic requirements	CPSC 16 CFR Part 1615:2008 par. 1615.1; 1615.2 CPSC 16 CFR Part 1616:2008 par. 1615.1; 1615.2

* 70413	Textiles and accessories for children's sleepwear. Flammability	CPSC 16 CFR Part 1615:2008 (except par 1615.5; par 1615.31; par 1615.32; par 1615.35; par 1615.36; par 1615.62; par 1615.63; par 1615.64) CPSC 16 CFR Part 1616:2008 (except par 1616.6; par 1616.31; par 1616.32; par 1616.35; par 1616.36; par 1616.61; par 1616.62; par 1616.63; par 1616.64; par 1616.65)
* 70419	Textiles and accessories for children's sleepwear. Flammability after wet washing	CPSC 16 CFR Part 1615:2008 (except par 1615.5; par 1615.31; par 1615.32; par 1615.35; par 1615.36; par 1615.62; par 1615.63; par 1615.64) + AATCC 124-2009 CPSC 16 CFR Part 1616:2008 (except par 1616.6; par 1616.31; par 1616.32; par 1616.35; par 1616.36; par 1616.61; par 1616.62; par 1616.63; par 1616.64; par 1616.65) + AATCC 124-2009

Proposition 65. Textiles. Test selection

Code	Description	Methods
* 62206	Plastics. Migration of acrylamide	UNI EN 71-10:2006 Par. 6 + UNI EN 71-11:2006 Par. 5.5.1
* 62324	Textiles, Accessories. Total heavy metals (As, Cd, Hg, Pb)	UNI EN 16711-1:2015
* 62204	Textiles, Accessories. Volatile organic compounds (Benzene, Methylene chloride)	MIP 137:2014 Rev. 0
* 62205	Textiles, Accessories. Tris(1,3-dichloro-2-propyl)phosphate [TDCPP]	ASTM F2617-08e1 + UNI EN 71-10:2006 Par. 8.1.1 + UNI EN 71-11:2006 Par. 5.2
62226	Children's toys and child care articles. Phthalates	CPSC-CH-C1001-09.4:2018
62412	Textiles. Free and hydrolized formaldehyde. Aqueous extraction method	UNI EN ISO 14184-1:2011

CHINA. GB 18401. Tests to verify conformity

Centrocot, thanks to the ACCREDIA (ILAC) accreditation, performs tests with chinese methods (GB 18401-2010) that standardize the general safety requirements of consumer for all textile products sold in China.

Tests

Code	Description	Methods
65001	Textiles. pH of aqueous extract	GB/T 7573-2009
65002	Textiles. Aromatic amines derived from azo-colorants (without extraction)	GB/T 17592-2011 (except Annex B)
65004	Textiles. Aromatic amines derived from azo-colorants (with extraction)	GB/T 17592-2011
65003	Textiles. 4-aminoazobenzene	GB/T 23344-2009
65006	Textiles. Free and hydrolyzed formaldehyde. Aqueous extraction method	GB/T 2912.1-2009
65007	Textiles. Colour fastness to water	GB/T 5713-2013
65008	Textiles. Colour fastness to rubbing	GB/T 3920-2008
65009	Textiles. Colour fastness to perspiration	GB/T 3922-2013
65010	Textiles. Odour test	GB 18401-2010
65011	Textiles. Colour fastness to saliva	GB/T 18886-2019

China GB 31701. Safety for infants and children textile products

In order to assist those entrepreneurs exporting into Chinese market, Centrocot presents its own offer to perform tests intended to ensure the compliance with the compulsory Chinese Standard GB 31701 - "Safety Technical Code for Infants and Children Textile Products". The GB 31701-2015 Standard came into force on 1st June 2016 and establishes the safety requirements of textile products for infants and children up to 14 years of age. The articles manufactured before 1st June 2016, in compliance with the requirements of that period, can be sold in China not later than 31st May 2018.

The Standard specifies that the products have to satisfy not only safety requirements but also have to comply with the compulsory Standard GB 18401, whose tests are described in the specific Section of the Catalogue.

In case of padding, it is required to perform the tests provided by GB/T 17685 Down and Feathers.

Tests

Code	Description	Methods
* 65053	Infants and children's clothing. Colour fastness to rubbing	GB/T 3920-2008
* 65054	Infants and children's clothing. Total lead and cadmium	GB/T 30157-2013
* 65055	Infants and children's clothing. Phthalates	GB/T 20388-2016
* 65056	Infants and children's clothing. Burning behaviour - 45° test. Flame spread rate	GB/T 14644-2014
* 65048	Infants and children's clothing. Domestic washing and drying for textile testing	GB 31701-2015 Annex A
* 65049	Infants and children's clothing. Removal force of attached components	GB 31701-2015 Par. 4.4
* 65050	Infants and children's clothing. Sharp point (depth of penetration)	GB/T 31702-2015
* 65051	Infants and children's clothing. Sharp edge (cutting length)	GB/T 31702-2015
* 65052	Infants and children's clothing. Safety specifications for cords and drawstrings	GB/T 22705:2019

CHINA. Other mandatory national standards (GB 28480, GB 20400, GB 25038, GB 25036)

Besides the best-known GB 18401, in China there are other mandatory national standards issued in order to protect consumers' health. Centrocot presents its offer for the performance to verify compliance with key regulations regarding jewelry (also in precious metals) and metal accessories; items and components in leather; footwear for adults and children.

GB 28480 "Adornment for children and adults - Chemical requirements"

Code	Description	Methods
* 65073	Adornments. Baneful elements	GB/T 28021-2011 + GB 28480-2012
* 65074	Adornments. Release of nickel	GB/T 19719-2005 + GB 28480-2012
* 65075	Adornments. Simulation of wear and corrosion on coating	GB/T 28485-2012 + GB 28480-2012
* 65076	Adornments. Chromium hexavalent	GB/T 28019-2011 + GB 28480-2012

GB 20400 "Leather and Fur. Limit of harmful matter"

Code	Description	Methods
* 65250	Footwear (leather and fur). Free and hydrolyzed formaldehyde. Aqueous extraction method	GB/T 19941.1-2019
* 65251	Footwear (leather and fur). Banned azo colourants	GB/T 19942-2019
* 65252	Footwear (leather and fur). Determination of chromium VI content: colorimetric method	GB/T 22807:2019

GB 25038 "Rubber shoes healthy and safe specification"

Code	Description	Methods
* 65100	Footwear. Textiles. pH of aqueous extract	GB/T 7573-2009 + GB 25038-2010
* 65101	Footwear. Textiles. Free and hydrolyzed formaldehyde. Aqueous extraction method	GB/T 2912.1-2009 + GB 25038-2010
* 65102	Footwear. Textiles. Banned azo colourants	GB/T 17592-2011 + GB 25038-2010
* 65103	Footwear. Textiles. Pentachlorophenol and 2,3,5,6-tetrachlorophenol	GB/T 18414.1-2006 + GB 25038-2010
* 65104	Footwear. Textiles. Extractable metals in acid perspiration solution (Pb, Cd, As)	GB/T 17593.2-2007 + GB 25038-2010
* 65105	Footwear. Rubber parts. N-nitrosamine	GB/T 24153-2009 + GB 25038-2010
* 65106	Footwear. Colour fastness to rubbing	QB/T 2882-2007 + GB 25038-2010

GB 25036 "Children's canvas rubber footwear shoes"

Code	Description	Methods
* 65150	Footwear. Textiles. pH of aqueous extract	GB/T 7573-2009 + GB 25036-2021
* 65151	Footwear. Textiles. Free and hydrolyzed formaldehyde. Aqueous extraction method	GB/T 2912.1-2009 + GB 25036-2021
* 65152	Footwear. Textiles. Banned azo colourants	GB/T 17592-2011 + GB 25036-2021
* 65153	Footwear. Textiles. Pentachlorophenol and 2,3,5,6-tetrachlorophenol	GB/T 18414.1-2006 + GB 25036-2021
* 65154	Footwear. Textiles. Extractable metals in acid perspiration solution (Pb, Cd, As)	GB/T 17593.2-2007 + GB 25036-2021
* 65155	Footwear. Rubber parts. N-nitrosamine	GB/T 24153-2009 + GB 25036-2021
* 65156	Footwear. Colour fastness to rubbing	QB/T 2882-2007 + GB 25036-2021

CHINA. Other tests performed according to Chinese methods

Complementing the tests included in standard GB18401, Centrocot can carry out the main tests for the evaluation of the general, performance and ecological characteristics of the textiles according to the modalities provided by Chinese standards. Among these, fiber composition is of great interest, as it is one of the compulsory requirements often subjected to controls. Hereunder, a selection of the main tests.

Tests

Code	Description	Methods
65012	Textiles. Released formaldehyde. Vapour absorption method	GB/T 2912.2-2009
* 65225	Toys and other articles intended for use by children. Phthalates	GB/T 22048-2015
65019	Textiles. Identification of fibers in textiles	FZ/T 01057.1-2007 + FZ/T 01057.3-2007 + FZ/T 01057.4-2007 + FZ/T 01057.8-2012 + GB/T 29862-2013 + GB/T 4146.1-2009 + GB/T 11951-2018
65020	Textiles. Quantitative analysis of binary blends of textile fibers	GB/T 2910.1-2009 + GB/T 2910-2009 parts from 3 to 21 (except 2)
65021	Textiles. Quantitative analysis of ternary blends of textile fibres	GB/T 2910.2-2009 + GB/T 2910-2009 parts from 1 to 21
65023	Speciality fibres and sheep's wool. Quantitative composition	GB/T 14593-2008
65029	Textiles. Colour fastness to domestic and commercial laundering	GB/T 12490-2014
* 65045	Textiles. Colour fastness to washing with soap or soap and soda	GB/T 3921-2008
65030	Textiles. Colour fastness to dry cleaning	GB/T 5711-2015
* 65047	Textiles. Colour fastness to sea water	GB/T 5714-2019
* 65046	Textiles. Colour fastness to chlorinated water (swimming-pool water)	GB/T 8433-2013
65031	Textiles. Dimensional change in domestic wet washing and drying	GB/T 8628-2013 + GB/T 8629-2017 + GB/T 8630-2013
65032	Textiles. Dimensional change in dry cleaning	GB/T 19981.2-2014 + GB/T 8628-2013 + GB/T 8630-2013
65033	Textile. Colour fastness to artificial light: Xenon arc fading lamp test	GB/T 8427-2019
65034	Textiles. Colour fastness to bleaching: Hypochlorite	GB/T 7069-1997
65035	Textiles. Colour fastness to domestic and commercial laundering using a low temperature bleach activator	GB/T 23343-2009
65036	Textiles. Colour fastness to hot pressing	GB/T 6152-1997
65037	Textiles. Pilling. Box method	GB/T 4802.3-2008
65038	Textiles. Pilling. Martindale method	GB/T 4802.2-2008
65039	Textiles. Tearing strength. Elmendorf method	GB/T 3917.1-2009
65040	Textiles. Tensile strength and elongation. Strip method	GB/T 3923.1-2013
65041	Textiles. Resistance of yarns at a seam in woven fabrics. Fixed seam opening method	GB/T 13772.1-2008
65042	Textiles. Slippage resistance of yarns at a seam. Fixed load method	GB/T 13772.2-2018
* 65043	Fabrics. Tearing strength. Tear specimen	GB/T 3917.2-2009
* 65044	Fabrics. Pilling. Circular locus method	GB/T 4802.1-2008

REACh. SVCH and Candidate List. Tests to verify products and accessories

Centrocot presents its offer for the determination of the SVHC "Substances of Very High Concern", included in the "Candidate List" updated on 17th December 2014, contextually to the new European regulation REACh "Registration, Evaluation, Authorisation and Restriction of Chemicals", entered into force on June the 1st, 2007.

The chemical substances in the SVHC list have been evaluated and classified as carcinogenic of category 1 and 2, mutagenic and toxic to reproduction, persistent, bioaccumulative and toxic (PBT), very persistent and very bioaccumulative (vPvB).

Some of these substances have a real use in the textile sector, while other no.

However Centrocot has considered to offer a complete array of tests, whose selection will be made regarding to the different type of articles and security level the clients ask.

Most of the analytical methods for the determination of the substances have been implemented by the Research Laboratory staff of Centrocot.

Tests

Code	Description	Methods
* 64100	Heavy metals. Total content	UNI EN 16711-1:2015
* 64200	Carcinogenic aromatic amines	Solvent extraction and chromatographic analysis with mass detector (LC/MS)
* 64202	4-aminoazobenzene	UNI EN ISO 14362-3:2017
* 64223	Carcinogenic dyestuffs	Solvent extraction and chromatographic analysis with mass detector (LC/MS)
* 64001	Polycyclic aromatic hydrocarbons	AfPS GS 2014:01
* 64219	Musk Xylene	Solvent extraction and chromatographic analysis with mass detector (GC-MS)
* 64010	Acrylamide	Solvent extraction and chromatographic analysis with mass detector (LC-MS/MS)
* 64225	Phthalates	UNI EN ISO 14389:2014 CPSC-CH-C1001-09.3
* 64005	Tris(2-chloroethyl)phosphate	Solvent extraction and chromatographic analysis with mass detector (GC-MS)
* 64002	Hexabromocyclododecane (HBCDD), Decabromodiphenyl ether (DecaBDE)	Solvent extraction and chromatographic analysis with mass detector (GC-MS)
* 64103	Aluminosilicate and/or Zirconia Aluminosilicate Refractory Ceramic Fibres	Microscope evaluation of the surface morphological-structural characteristics
* 64004	Short chain chlorinated paraffins C10-C13 (SCCP)	Solvent extraction and chromatographic analysis with mass detector (GC-MS)
* 64201	Trichloroethylene, 2-methoxyethanol, 2-ethoxyethanol	Solvent extraction and chromatographic analysis with mass detector (GC-MS)
* 64335	N,N-dimethylacetamide, 1-methyl-2-pyrrolidone, dimethylformamide	OEKO-TEX® Standard 201 M-26 2015
* 64350	bis[4-(dimethylamino)phenyl] methanone (Michler's ketone) bis[4-(dimethylamino)phenyl] methane (Michler's base)	Solvent extraction and chromatographic analysis with mass detector (LC)
* 64351	Bis(tributyltin)oxide (TBTO), Dibutyltin dichloride (DBTC)	MIP 132:2014 Rev. 0
* 64353	Perfluorinated compound	UNI CEN/TS 15968:2010
* 64330	Alkylphenols	MIP 130:2014 Rev. 0
* 64312	Alkylphenoethoxylates	MIP 131:2017 Rev.1
* 64301	Pesticides	OEKO-TEX® Standard 201 M-6-A 2016 + OEKO-TEX® Standard 201 M-6-B 2015

FOOD CONTACT CRITERIA

Tests

Code	Description	Methods
* 64011	Materials and articles in contact with foodstuffs. Plastics. Overall migration into olive oil by total immersion	UNI EN 1186-1:2003 + UNI EN 1186-2:2003
64012	Materials and articles in contact with foodstuffs. Overall migration into aqueous food simulants by total immersion	Reg. CE 1935/2004 GUCE L. 338 del 13/11/2004 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + DM 21/03/1973 GU n° 104 20/04/1973 Annex IV Part 1 + UNI EN 1186-1:2003 + UNI EN 1186-3:2003
* 64013	Materials and articles in contact with foodstuffs. Plastics. Overall migration into olive oil by cell	UNI EN 1186-1:2003 + UNI EN 1186-4:2003
* 64014	Materials and articles in contact with foodstuffs. Plastics. Overall migration into aqueous food simulants by cell	UNI EN 1186-1:2003 + UNI EN 1186-5:2003
* 64043	Materials in contact with foodstuffs. Overall migration into aqueous food simulants (simulant A)	Reg. CE 1935/2004 GUCE L 338 of 13/11/04 + DM 21/03/1973 GU n° 104
* 64044	Materials in contact with foodstuffs. Overall migration into alcohol food simulants (simulant C)	Reg. CE 1935/2004 GUCE L 338 of 13/11/04 + DM 21/03/1973 GU n° 104
* 64041	Materials and articles in contact with foodstuffs. Plastics. Overall migration at high temperatures	UNI EN 1186-1:2003 + UNI EN 1186-13:2003
* 64042	Materials and articles in contact with foodstuffs. Plastics. Specific migration in simulant E	MIP 136:2013 Rev. 0
* 64040	Materials and articles in contact with foodstuffs. Plastics. Specific migration of primary aromatic amines	Regulation (EU) No. 10/2011
64015	Materials and articles in contact with foodstuffs. Terephthalic acid in food simulants	DM of 21/3/73 S.O. GU n° 104 of 20/04/73 + DM 220 of 26/04/93 S.O. GU n° 162 of 13/07/93 + Annex of Decree 338 of 22/07/98 GU n° 228 of 30/09/98 + DM n° 174 24/09/2008 SO GU n° 261 07/11/2008 + DM 299 of 22/12/05 GU n° 37 of 14/02/06 + DM n° 735 28/10/1994 GU n° 1 02/01/1995 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN 13130-1:2005 + UNI EN 13130-2:2005
* 64016	Materials and articles in contact with foodstuffs. Plastics. Acrylonitrile in food and food simulants	UNI EN 13130-1:2005 + UNI EN 13130-3:2005
* 64017	Materials and articles in contact with foodstuffs. Plastics. 1,3-butadiene in plastics	UNI EN 13130-1:2005 + UNI EN 13130-4:2005
* 64018	Materials and articles in contact with foodstuffs. Plastics. 1,3-butadiene in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-15:2006
* 64019	Materials and articles in contact with foodstuffs. Plastics. Vinylidene chloride in food simulants	UNI EN 13130-1:2005 + UNI EN 13130-5:2005
* 64020	Materials and articles in contact with foodstuffs. Plastics. Vinylidene chloride in plastics	UNI EN 13130-1:2005 + UNI EN 13130-6:2005
* 64021	Materials and articles in contact with foodstuffs. Plastics. Monoethylene glycol and diethylene glycol in food simulants	UNI EN 13130-1:2005 + UNI EN 13130-7:2005

* 64022	Materials and articles in contact with foodstuffs. Plastics. Isocyanates in plastics	UNI EN 13130-1:2005 + UNI EN 13130-8:2005
* 64023	Materials and articles in contact with foodstuffs. Plastics. Acetic acid, vinyl ester in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-9:2006
* 64024	Materials and articles in contact with foodstuffs. Plastics. Acrylamide in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-10:2006
* 64025	Materials and articles in contact with foodstuffs. Plastics. 11-aminoundecanoic acid in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-11:2006
* 64026	Material and articles in contact with foodstuffs. Plastics. 1,3-benzenedimethanamine in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-12:2006
64027	Materials and articles in contact with foodstuffs. 2,2-bis(4-hydroxyphenyl)propane (Bisphenol A) in food simulants	DM of 21/3/73 S.O. GU n° 104 of 20/04/73 + DM 220 of 26/04/93 S.O. GU n° 162 of 13/07/93 + Annex of Decree 338 of 22/07/98 GU n° 228 of 30/09/98 + DM n° 174 24/09/2008 SO GU n° 261 07/11/2008 + DM 299 of 22/12/05 GU n° 37 of 14/02/06 + DM n° 735 28/10/1994 GU n° 1 02/01/1995 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN 13130-1:2005 + UNI CEN/TS 13130-13:2006
* 64028	Materials and articles in contact with foodstuffs. Plastics. 3,3-bis(3-methyl-4-hydroxyphenyl)-2-indoline in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-14:2006
* 64029	Materials and articles in contact with foodstuffs. Plastics. Caprolactam and caprolactam salt in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-16:2006
* 64030	Materials and articles in contact with foodstuffs. Plastics. Carbonyl chloride in plastics	UNI EN 13130-1:2005 + UNI CEN/TS 13130-17:2006
* 64031	Materiali ed articoli in contatto con gli alimenti. Materie plastiche. 1,2-diidrossibenzene, 1,3-diidrossibenzene, 1,4-diidrossibenzene, 4,4'-diidrossibenzofenone e 4,4'-diidrossibifenile nei simulanti alimentari	UNI EN 13130-1:2005 + UNI CEN/TS 13130-18:2006
* 64032	Materials and articles in contact with foodstuffs. Plastics. Dimethylaminoethanol in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-19:2006
* 64033	Materials and articles in contact with foodstuffs. Plastics. Epichlorohydrin in plastics	UNI EN 13130-1:2005 + UNI CEN/TS 13130-20:2006
* 64034	Materials and articles in contact with foodstuffs. Plastics. Ethylenediamine and hexamethylenediamine in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-21:2006
* 64035	Materials and articles in contact with foodstuffs. Plastics. Ethylene oxide and propylene oxide in plastics	UNI EN 13130-1:2005 + UNI CEN/TS 13130-22:2006

64036	Materials and articles in contact with foodstuffs. Formaldehyde and hexamethylenetetramine in food simulants	DM of 21/3/73 S.O. GU n° 104 of 20/04/73 + DM 220 of 26/04/93 S.O. GU n° 162 of 13/07/93 + Annex of Decree 338 of 22/07/98 GU n° 228 of 30/09/98 + DM n° 174 24/09/2008 SO GU n° 261 07/11/2008 + DM 299 of 22/12/05 GU n° 37 of 14/02/06 + DM n° 735 28/10/1994 GU n° 1 02/01/1995 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN 13130-1:2005 + UNI CEN/TS 13130-23:2006
64037	Materials and articles in contact with foodstuffs. Maleic acid and maleic anhydride in food simulants	DM of 21/3/73 S.O. GU n° 104 of 20/04/73 + DM 220 of 26/04/93 S.O. GU n° 162 of 13/07/93 + Annex of Decree 338 of 22/07/98 GU n° 228 of 30/09/98 + DM n° 174 24/09/2008 SO GU n° 261 07/11/2008 + DM 299 of 22/12/05 GU n° 37 of 14/02/06 + DM n° 735 28/10/1994 GU n° 1 02/01/1995 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN 13130-1:2005 + CEN/TS 13130-24:2005
* 64038	Materials and articles in contact with foodstuffs. Plastics.4-methyl-1-pentene in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-25:2006
* 64039	Materials and articles in contact with foodstuffs. Plastics. 1-octene and tetrahydrofuran in food simulants	UNI EN 13130-1:2005 + UNI CEN/TS 13130-26:2006
* 64045	Material in contact with foodstuffs. Overall migration into olive oil (simulant D)	Reg. CE 1935/2004 GU CE L 338 of 13/11/04 + DM 21/03/1973 GU n. 104
* 64046	Material in contact with foodstuffs. Overall migration into acid simulants (simulant B)	Reg. CE 1935/2004 GU CE L 338 of 13/11/04 + DM 21/03/1973 GU n. 104
64051	Materials and articles in contact with foodstuff. Substitute test for overall migration using test media iso-octane and 95% ethanol	Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN 1186-1:2003 + UNI EN 1186-3:2003 + UNI EN 1186-7:2003 + UNI EN 1186-9:2003 + UNI EN 1186-14:2003
64053	Materials and articles in contact with foodstuffs. Overall migration into aqueous food simulants by article filling	Reg. CE 1935/2004 GUCE L. 338 del 13/11/2004 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + DM 21/03/1973 GU n° 104 20/04/1973 Annex IV Part 1 + UNI EN 1186-1:2003 + UNI EN 1186-9:2003

64054	Materials and articles in contact with foodstuffs. Overall migration into aqueous food simulants using a pouch	Reg. CE 1935/2004 GUCE L 338 of 13/11/04 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + DM 21/03/1973 GU n° 104 20/04/1973 Annex IV Part 1 + UNI EN 1186-1:2003 + UNI EN 1186-7:2003
* 64057	Materials and articles in contact with foodstuffs. Overall migration into food simulants	Method in according to customer
* 64050	Materials and articles in contact with foodstuffs. Specific migration of chemical substance	Reg. CE 1935/2004 GU CE L 338 of 13/11/04 + DM 21/03/1973 GU n. 104 UNI EN 13130-1:2005
64047	Materials and articles in contact with foodstuffs. Specific migration of primary aromatic amines with simulant B (3% acetic acid)	DM 21/03/1973 SO GU n° 104 20/04/1973 All IV Part B DM n° 220 26/04/1993 SO GU n° 162 13/07/1993 All III Part B + LMBG § 35 L 00.00-6 1:1995/Cor:2002 UNI EN 1186-3:2003 + LMBG § 35 L 00.00-6 1:1995/Cor:2002 UNI EN 1186-7:2003 + LMBG § 35 L 00.00-6 1:1995/Cor:2002 UNI EN 1186-9:2003 + LMBG § 35 L 00.00-6 1:1995/Cor:2002
* 64048	Materials and articles in contact with foodstuffs. Plastics. Specific migration of Phthalates	UNI EN 13130-1:2005 + UNI EN 13130-2:2005
* 64049	Materials and articles in contact with foodstuffs. Plastics and finished fabrics with water-oil repellent. PFC in simulants	MIP 140:2015 Rev. 0
64052	Materials and articles in contact with foodstuffs. Specific migration of metals into aqueous food simulants	Reg. CE 1935/2004 GUCE L 338 of 13/11/04 + Reg. (EU) n. 10/2011 GUUE L12 of 15/01/2011 + Reg. (EU) 2016/1416 + Reg (EU) 1245/2020 + UNI EN ISO 17294-2:2016
64055	Materials and articles in contact with foodstuffs. Dyes migration in food simulants	Reg. CE 1935/2004 GUCE L 338 of 13/11/04 + DM 21/03/1973 GU n° 104 20/04/1973 Annex IV Part 7
* 64300	Materials and articles in contact with foodstuffs. Plastics. Maximum extractable fraction in selected solvent	21 CFR Ch.1 Part 177.1500
* 64056	Materials and articles in contact with foodstuffs. Plastics - Part 15: Alternative test methods to migration into fatty food simulants by rapid extraction into iso-octane and/or 95% ethanol	Reg. CE 1935/2004 GU CE L 338 of 13/11/04 + Reg. (EU) n. 10/2011 GUUE L 12 of 15/01/2011 + Reg. (EU) 2016/1416 + DM 21/03/1973 GU n° 104 20/04/1973 Annex IV Part 1 + UNI EN 1186-1:2003 + UNI EN 1186-3:2003 + UNI EN 1186-15:2003

BIOLOGICAL TESTS

Barrier properties

Code	Description	Methods
90100	Fabrics, Nonwoven fabrics. Penetration by blood and body fluids. Synthetic blood method	ISO 16603:2004
* 90101	Fabrics, Nonwoven fabrics. Penetration by blood and body fluids. Synthetic blood method	ASTM F1670/F1670M-17
* 90110	Fabrics, Nonwoven fabrics. Penetration by blood and other body fluid-borne pathogens. Phi-X174 bacteriophage method	ISO 16604:2004 ASTM F 1671/F 1671M-13 JIS T 8061:2010
90121	Fabrics. Wet bacterial penetration	UNI EN ISO 22610:2006
* 90103	Fabrics. Wet bacterial penetration	ISO 22610:2018
* 90130	Fabrics, Nonwoven fabrics. Penetration by biologically contaminated aerosols	ISO/DIS 22611:2003
90131	Fabrics, Nonwoven fabrics. Penetration by biologically contaminated powders	UNI EN ISO 22612:2005 + EC 1-2011

Antimicrobial properties

Code	Description	Methods
90140	Fabrics, Nonwoven fabrics. Assessment of antibacterial activity. Agar diffusion plate test	UNI EN ISO 20645:2005
* 90141	Fabrics, Nonwoven fabrics. Assessment of antimycotic effect - Agar diffusion plate test	SN 195921:1994
* 90142	Fabrics, Nonwoven fabrics. Assessment of the effect of microfungi on textile materials - Mycotic resistance	UNI EN 14119:2004 (except met. B2) + UNI EN ISO 13934-1:2013
* 90143	Fabrics, Nonwoven fabrics. Assessment of the effect of microfungi on textile materials - Antimycotic activity	UNI EN 14119:2004 Met. B2
* 90145	Fabrics, Nonwoven fabrics. Antibacterial activity of textile materials- Parallel streak method	AATCC 147-2016
* 90146	Fabrics, Nonwoven fabrics. Mildew and rot resistance of textile materials. Test I Soil burial test	AATCC 30-2017 + ASTM D 5035-11 (2019)
* 90149	Fabrics, Nonwoven fabrics. Mildew and rot resistance of textile materials. Test III Plate agar	AATCC 30-2017
* 90147	Fabrics, Nonwoven fabrics. Resistance of cellulose-containing textiles to microorganisms - Soil burial test - Assessment of rot-retardant finishing	UNI EN ISO 11721-1:2002 + EC 1-2004 + UNI EN ISO 13934-1:2013
* 90148	Fabrics, Nonwoven fabrics. Resistance of cellulose-containing textiles to microorganisms - Soil burial test - Assessment of long-term resistance of a rot retard	UNI EN ISO 11721-2:2004 + UNI EN ISO 13934-1:2013
* 90150	Fabrics, Nonwoven fabrics. Quantitative determination of antibacterial effect of immobilized antimicrobial agents under dynamic contact conditions (shake flask method)	ASTM E 2149-20
* 90153	Fabrics, Nonwoven fabrics. Assessment of antibacterial activity. Absorption method	JIS L 1902:2015
* 90159	Fabrics, Nonwoven fabrics. Quantitative determination of antibacterial efficacy in textile materials - Printing method	JIS L 1902:2015
* 90154	Fabrics, Nonwoven fabrics. Determination of antibacterial activity of products with antibacterial characteristics. Absorption method	UNI EN ISO 20743:2021
* 90144	Fabrics, Nonwoven fabrics. Quantitative determination of antibacterial efficacy on textile materials. Transfer method	UNI EN ISO 20743:2021
* 90156	Fabrics, Nonwoven fabrics. Quantitative determination of antibacterial efficacy on textile materials - Absorption method	AATCC 100-2019
* 90157	Fabrics, Nonwoven fabrics. Assessment of acaricid efficacy	NF G39-011 2009

Quantitative determination of microorganisms on surfaces

Code	Description	Methods
* 90160	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total bacterial content	UNI EN 17141:2021
* 90170	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total yeasts and moulds content	UNI EN 17141:2021



* 90180	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total gram-negative bacteria content	UNI EN 17141:2021
* 90190	Fabrics, Nonwoven fabrics. Evaluation of cleanliness - microbial. Stomaching method	UNI EN ISO 11737-1:2021

Resistance to sterilisation

Code	Description	Methods
* 90292	Fabrics, Nonwoven fabrics. Sterilization	MIP 412:2004 Rev.0

CERTIFICATION OF SANITARY PROCESSES IN LAUNDRIES

General costs

Code	Description	Methods
90001	Evaluation of technical documentation	
90010	Issuing of certificate of conformity	
90011	Extension of certificate of conformity	
90012	Translation into English or French of certificate	
90013	Duplicate of conformity certificate	
90014	Audit on the spot	

Quantitative determination of microorganisms on surfaces

Code	Description	Methods
* 90160	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total bacterial content	UNI EN 17141:2021
* 90170	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total yeasts and moulds content	UNI EN 17141:2021
* 90180	Fabrics, Nonwoven fabrics. Determination of biocontamination through contact plates. Total gram-negative bacteria content	UNI EN 17141:2021
* 90190	Fabrics, Nonwoven fabrics. Evaluation of cleanliness - microbial. Stomaching method	UNI EN ISO 11737-1:2021
* 90195	Fabrics, Nonwoven fabrics. Validation of antimicrobial efficacy of washing cycles in usage conditions	UNI EN ISO 14698-1:2004 appendix E



ANTIBACTERIAL EFFICACY CERTIFICATE

General costs

Code	Description	Methods
90050	Certificate issuing	

Tests

Code	Description	Methods
70429	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
* 90154	Fabrics, Nonwoven fabrics. Determination of antibacterial activity of products with antibacterial characteristics. Absorption method	UNI EN ISO 20743:2021

BIOCOMPATIBILITY TESTS

Tests

Code	Description	Methods
* 90060	Finished products or raw materials.Basic sensitisation	Quantitative evaluation of the sensitisation risk of finished products and raw materials trough the expression of co-stimulatory molecules on monocytes/macrophages
* 90061	Advanced sensitisation	Quantitative evaluation of the sensitisation risk of finished products and raw materials trough the expression of cell surface markers on dendritic cells
* 90062	Finished products or raw materials.Ex-vivo sensitisation	Reactivity evaluation from a serum pool of human subjects allergic to latex, shrimps, gluten or preservatives o others specific allergens versus finished products and raw material
* 90063	Finished products or raw materials.Sensitation elisa test	Reactivity quantification of finished products and raw materials using antibodies to specific aptens (li.e. atex, shrimps, gluten, preservatives)
* 90064	Finished products or raw materials.Local lymph node assay	Alternative in vivo test used for testing of medical devices and raw materials, according to the OECD TG 429 and in compliace with UNI/EN/ISO 10993-10 + The sample is tested at three concentrations. It is recommded for substances at risk
* 90065	Finished products or raw materials.Reduced local lymph node assay	Alternative in vivo test used for testing of medical devices and raw materials, according to the test ESAC statement of 27th april 2007 and OECD 429 and in compliance with UNI/EN/ISO 10993-10. The sample is tested at one concentration. It is recommded for substances not at risk
* 90066	Cytokine assay on 3D epidermis	Assay of cytokines involved in the allergic reaction cascade, even aimed to discriminate between pro-sensitising and pro-inflammatory effect. + Price for one cytokine test
* 90067	Cytokine assay on human keratinocytes or on monocytes/macrophages	Assay of cytokines involved in the allergic reaction cascade, even aimed to discriminate between pro-sensitising and pro-inflammatory effect. + Price for one cytokine test
* 90068	Cytokine assay on dendritic cells	Assay of cytokines involved in the allergic reaction cascade, even aimed to discriminate between pro-sensitising and pro-inflammatory effect. + Price for one cytokine test

* 90069	Finished products or raw materials. Sensitisation inhibition on monocytes/ macrophages	Inhibition of the sensitisation effect induced by a specific apten (i.e. nickel) by finished products or raw materials in different concentration through the quantification of the expression of co-stimulatory molecules
* 90072	Finished products or raw materials. Cytotoxicity with pretreatment	Determination of the EC50 in skin-derived cell monolayers (fibroblasts or keratinocytes lines) for the evaluation of biocompatibility of medical devices according to UNI/EN /ISO10993-5, and for the estimation of the acute toxicity of raw materials and finished products
* 90074	Finished products or raw materials. Skin irritation on 3D epidermidis	Estimation of the skin irritation potential using a two time point MTT assay as cell viability endpoint in a human reconstituted epidermis; irritation assessment against a negative control and a known irritant (SLS) as positive control using the ET50 value
* 90075	Finished products or raw materials. Eye irritation/cytotoxicity	Estimation of the eye irritation potential by IC50 determination (NRU cell viability test) on cultured fibroblasts. The product is tested at various dilutions and the IC50 is assessed against a negative control and a known eye irritant (SLS) as positive control
* 90076	Finished products or raw materials. Phototoxicity	3T3/NRU test according to EU normative (Annex V - B.41, Council Directive 67/548/EEC) and OECD Test Guideline 432. The phototoxicity of the substance is assessed in cultured 3T3 fibroblasts by measuring the cell viability after exposure to the product in the presence or not of UVA and compared against a known phototoxic substance (chlorpromazine). Especially suitable to test raw materials designed for topical use under UV exposure, sun products, fragrances, day-care cosmetic products
* 90077	Finished products or raw materials. Ames test	Mutagenesis test for raw materials/finished products according to the Ames protocol (Annex V - B.13-14 CD 67/548/EEC and OECD Test Guideline 471) on 5 strains of Salmonella, with and without S9 metabolic activation
* 90078	Finished products or raw materials. Ecotoxicity test on crustacean Preliminary	Preliminary ecotoxicity test on raw materials/finished products/water according to OECD 202 on Daphnia magna



* 90079	Finished products or raw materials. Ecotoxicity test on crustacean "range finding test"	Complete ecotoxicity test on raw materials/finished products/water according to OECD 202 on Daphnia magna, necessary to better determine EC50 when the sample shows ecotoxicity effect on the preliminary test
* 90082	Finished products or raw materials. Skin irritation on 3D epidermis according to OECD 439	Estimation of the skin irritation potential using MTT assay at one time point in a human reconstituted epidermis; comparison with a negative control and a known irritant (SLS) as positive control according to validated ECVAM protocols
* 90083	Finished products or raw materials. Occlusive epicutaneous test (Patch test)	Skin compatibility evaluation (irritation). Single Patch test (48 h)

TESTS OF REACTION TO FIRE

Tests

Code	Description	Methods
* 71101	Fabrics. Washing treatment	UNI 9176:2010 Met. A
71100	Fabrics. Reaction to fire by applying a small flame (test not performed for ministerial approval)	UNI 8456:2010
71105	Textiles. Reaction to fire of combustible materials subject to small flame (test not performed for ministerial approval)	UNI 8457:2010
* 71109	Fabrics. Reaction to fire of materials can be hit by flame with radiant heating (isotropic/anisotropic sample - equal/unequal faces)	UNI 9174:2010
* 71200	Fabrics. Reaction to fire of upholstered products by applying small flame	UNI 9175:2010
71110	Fabrics. Burning behaviour of vertically oriented specimens (surface ignition)	UNI EN ISO 6941:2004 Procedure A
71120	Fabrics. Burning behaviour of vertically oriented specimens (edge ignition)	UNI EN ISO 6941:2004 Procedure B
71111	Fabrics. Burning behaviour of vertically oriented specimens (surface ignition)	UNI EN ISO 6940:2004 Procedure A
71121	Fabrics. Burning behaviour of vertically oriented specimens (edge ignition)	UNI EN ISO 6940:2004 Procedure B
* 71130	Textiles. Burning behaviour of children's nightwear	UNI EN 1103:2007 + UNI EN ISO 6941:2004 + UNI EN 14878:2008 Par. 7 + EC 1-2010
* 70407	Textiles. Burning behaviour	UNI EN 1103:2007 + UNI EN ISO 6941:2004
* 70448	Toys. Flammability	UNI EN 71-2:2021
* 71300	Upholstered furniture. Assessment of ignitability. Ignition source: slow smouldering cigarette	UNI EN 1021-1:2014
* 71301	Upholstered furniture. Assessment of ignitability. Ignition source: slow smouldering cigarette	BS 5852:2006 (ignition source 0 Par. 8)
* 71400	Upholstered furniture. Assessment of ignitability. Ignition source: Match flame equivalent	UNI EN 1021-2:2014
* 71401	Upholstered furniture. Assessment of ignitability. Ignition source: Match flame equivalent	BS 5852:2006 (ignition sources 1,2,3 Par. 9.2)
* 70416	Automotive interior materials. Resistance to burning	FMVSS 302:2002 UNI 4818-19:1992
70417	Automotive interior materials. Burning behaviour	UNI ISO 3795:1992
70450	Protective clothing. Heat transmission on exposure to a flame	UNI EN 367:1993
* 70618	Protective clothing. Electrostatic discharge susceptible items	ANSI/ESD STM 2.1:2018 + CEI EN 61340-5-1:2017
70414	Textiles. Flammability	CPSC 16 C.F.R. Part 1610:2008 + AATCC 124-2009
* 70418	Textiles and accessories for children's sleepwear. Sizes and ergonomic requirements	CPSC 16 CFR Part 1615:2008 par. 1615.1; 1615.2 CPSC 16 CFR Part 1616:2008 par. 1615.1; 1615.2
* 70413	Textiles and accessories for children's sleepwear. Flammability	CPSC 16 CFR Part 1615:2008 (except par 1615.5; par 1615.31; par 1615.32; par 1615.35; par 1615.36; par 1615.62; par 1615.63; par 1615.64) CPSC 16 CFR Part 1616:2008 (except par 1616.6; par 1616.31; par 1616.32; par 1616.35; par 1616.36; par 1616.61; par 1616.62; par 1616.63; par 1616.64; par 1616.65)



* 70419	Textiles and accessories for children's sleepwear. Flammability after wet washing	CPSC 16 CFR Part 1615:2008 (except par 1615.5; par 1615.31; par 1615.32; par 1615.35; par 1615.36; par 1615.62; par 1615.63; par 1615.64) + AATCC 124-2009 CPSC 16 CFR Part 1616:2008 (except par 1616.6; par 1616.31; par 1616.32; par 1616.35; par 1616.36; par 1616.61; par 1616.62; par 1616.63; par 1616.64; par 1616.65) + AATCC 124-2009
* 70399	Plastics. Determination of burning behaviour by oxygen index. Part 2: Ambient temperature test	UNI EN ISO 4589-2:2017
* 70125	Protective clothing. Mass per unit area. Small sample method	UNI EN 12127:1999
70616	Protective clothing. Charge decay	UNI EN 1149-3:2005 Met. 2
70461	Protective clothing. Contact heat transmission	UNI EN ISO 12127-1:2016
70452	Protective clothing. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017
70411	Protective clothing. Ignition and flammability	UNI EN 13274-4:2021 Met. 3
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A
70409	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. B
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011

PROTECTION AGAINST GENERIC RISKS TESTS

Tests

Code	Description	Methods
* 70173	Textiles. Reflectance factor and transmittance factor in UV/VIS/IR (200 - 2500 nm) - Results in tabular form	MIP 311:2013 Rev.2
* 70175	Non-textile samples. Spectrophotometer lecture in transmittance of reflectance - Results in tabular form	MIP 311:2013 Rev.2
70171	Textiles. UPF determination	UNI EN 13758-1:2007
70172	Textiles. UPF determination	AS 4399:2020 Appendix A
* 70176	Textiles. Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics (measurement on fabric without treatments)	AATCC TM183-2020
* 70181	Blinds and shutters. Thermal and visual comfort. Performance characteristics and classification	UNI EN 14501:2021
* 70613	Fabrics. Attenuation of fabrics to electromagnetic waves at high frequency	MIL STD 285:1956 IEEE STD 299:2006 CEI EN 50147-1:1998
* 70178	Textiles. Water repellency of fabrics by the Bundesmann rain-shower test	UNI EN 29865:1997
* 70179	Protective clothing. Determination of resistance to penetration by sprayed liquid chemicals, emulsions and dispersions. Atomizer test	UNI EN 14786:2006 + DIN 32781:2010 Par. 4.1.5
* 70874	Motorcyclists' protective clothing against mechanical impact. Impact attenuation	UNI EN 1621-4:2013 Par. 6.6
* 70479	Protective clothing. Resistance to damage by repeated flexing	UNI EN ISO 7854:1999 Met. B + UNI EN 14325:2018 Par. 4.5
* 70483	Protective clothing. Tearing strenght. Trapezoid method	UNI EN ISO 9073-4:2021 + UNI EN 14325:2018 Par. 4.7
* 70484	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 14325:2018 Par. 4.9
* 70485	Protective clothing. Perforation	UNI EN 863:1997 + UNI EN 14325:2018 Par. 4.10
* 70486	Protective clothing. Penetration by liquids	UNI EN ISO 6530:2005 + UNI EN 14325:2018 Par. 4.12 and 4.13
* 70839	Protective clothing. Stiffness	EN 16027:2011 Par. 5.4
* 70161	Protective clothing. Control of specific design requirements	ISO 15538:2011 Par. 4
70177	Protective clothing. Impact with high energy droplets	UNI EN 14360:2004
* 70478	Protective clothing. Abrasion	UNI EN ISO 12947-2:2017 + UNI EN 14325:2018 Par. 4.4
70540	Protective clothing. Perforation	UNI EN 863:1997
70505	Protective clothing. Repellency/Penetration by liquids	UNI EN ISO 6530:2005
* 70298	Safety Harness. Tensile strength	FIA Standard 8853-2016 Article A-1

CE MARKING: PERSONAL PROTECTIVE EQUIPMENT

General costs

Code	Description	Methods
79999	EU type-examination certificate	
79998	Extension of EU type-examination certificate	
79994	Revision of EU type-examination certificate	
79993	Simplified review of EU type-examination certificate	
79996	EU type-examination certificate into English or French language	
79995	Reprinting of EU type-examination certificate	
70001	Certificate of conformity	
70003	Revision of certificate of conformity	
70002	Translation of certificate of test into English or French language	
70010	Assessment of technical documentation of manufacturer	
70009	Certificate of conformity to type assessment (category III PPE)	
70710	Conformity to type assessment (category III PPE) Module C2	
70711	Conformity to type assessment (category III PPE) Module D	
70008	Certificate of process conformity (Industrial laundry)	
70006	Renewal of certificate of process conformity (Industrial laundry)	
70007	Audit on industrial laundry including sampling of PPE	

Treatments

Code	Description	Methods
* 70403	Textiles. Treatment to temperature variations	MIP 301:2004 Rev.0
70405	Protective clothing. Treatment: fuel and oil	UNI EN 343:2019 Par. 5.5
70420	Textiles. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022
70429	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
70311	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
70424	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
70312	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
70421	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
70313	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
70433	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
70314	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
70422	Textiles. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022
70316	Textiles. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022
70430	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70437	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70434	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70431	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70449	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70432	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
* 70398	Protective clothing. Heat transmission on exposure to a flame, treatment	UNI EN ISO 9151:2017
70439	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. A
* 70441	Protective clothing. Exposition to a source of radiant heat	UNI EN 366:1994 Met. A
70444	Textiles. Oven pretreatment	ISO 17493:2016 (except 8.3 and 8.4)
70527	Textiles, Protective clothing. Treatment by low-temperature bend	ISO 4675:2017
* 70528	Leather. Cold crack temperature of surface coatings	UNI EN ISO 17233:2017
* 70529	Artificial leather. Treatment of flex cracking	DIN 53359:2006-11 (Method A or B)

* 70553	Artificial leather. Treatment of flex cracking + Test of resistance to water penetration. Increasing hydrostatic pressure	DIN 53359:2006-11 (Method A or B) + DIN EN ISO 811:2018-08
* 70402	Protective clothing. Treatment to temperature variations	MIP 301:2004 Rev.0 + UNI EN ISO 20471:2017 Par. 7.4.4

Protective Equipment

UNI EN ISO 13688:2022 "Protective clothings - General requirements"

Code	Description	Methods
70000	Protective clothing. Size	UNI EN ISO 13688:2022 Par. 6
* 70050	Protective clothing. Control of ergonomic requirements	Applicable standards
* 70160	Protective clothing. Control of specific design requirements	Applicable standards
70490	Protective clothing, leather. Chromium hexavalent	UNI EN ISO 17075-2:2017 + UNI EN ISO 13688:2022 Par. 4.2
76114	Protective clothing. Release of nickel	UNI EN 1811:2015 + UNI EN ISO 13688:2022 Par. 4.2
70830	Protective clothing, leather. pH	UNI EN ISO 4045:2018 + UNI EN ISO 13688:2022 Par. 4.2
70831	Protective clothing, textile. pH of aqueous extract	UNI EN ISO 3071:2020 + UNI EN ISO 13688:2022 Par. 4.2
* 76219	Protective clothing, textile. Aromatic amines derived from azo colorants	UNI EN ISO 14362-1:2017 + UNI EN ISO 13688:2022 Par. 4.2
* 76221	Protective clothing, textile. 4-aminoazobenzene from azo colorants	UNI EN ISO 14362-3:2017 + UNI EN ISO 13688:2022 Par. 4.2
* 76222	Protective clothing, leather. Aromatic amines derived from azo colorants	UNI EN ISO 17234-1:2020 + UNI EN ISO 13688:2022 Par. 4.2
* 76223	Protective clothing, leather. 4-aminoazobenzene from azo colorants	UNI EN ISO 17234-2:2011 + UNI EN ISO 13688:2022 Par. 4.2
70425	Protective clothing. Domestic washing and drying (no tumbler) for textile testing	UNI EN ISO 6330:2022 + UNI EN ISO 13688:2022 Par. 5.2
70309	Protective clothing. Domestic washing and tumbler drying for textile testing	UNI EN ISO 6330:2022 + UNI EN ISO 13688:2022 Par. 5.2
70250	Protective clothing. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 13688:2022 Par. 5.3
70435	Protective clothing. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 13688:2022 Par. 5.2
70260	Protective clothing. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 13688:2022 Par. 5.3
70455	Protective clothing. Industrial washing and drying	UNI EN ISO 15797:2018 Tab. 4 Procedure A (tumble drying) + UNI EN ISO 13688:2022 Par. 5.2
70251	Protective clothing. Dimensional change in industrial washing and drying	UNI EN ISO 15797:2018 Tab. 4 Procedure A (tumble drying) + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 13688:2022 Par. 5.3
* 70474	Protective clothing. Industrial washing and drying	UNI EN ISO 15797:2018 Tab. 4 Procedure B (tunnel drying) + UNI EN ISO 13688:2022 Par. 5.2

Protective clothings against heat and flame

UNI EN ISO 11612:2015 "Protective clothing - Clothing to protect against heat to flame"

Code	Description	Methods
70550	Protective clothing. Leather. Tensile strength	UNI EN ISO 3376:2020 + UNI EN ISO 11612:2015 Par. 6.5.1.2
70561	Protective clothing. Leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN ISO 11612:2015 Par. 6.5.2.2
* 70447	Protective clothing. Treatment of materials by repeated flexing	UNI EN ISO 11612:2015 Annex A
* 70480	Protective clothing. Aluminium splashes	UNI EN ISO 9185:2008 + UNI EN ISO 11612:2015 Par. 7.4
* 70482	Protective clothing. Iron splashes	UNI EN ISO 9185:2008 + UNI EN ISO 11612:2015 Par. 7.5
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN ISO 11612:2015 Par. 6.5.3
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN ISO 11612:2015 Par. 6.5.3
70461	Protective clothing. Contact heat transmission	UNI EN ISO 12127-1:2016 + UNI EN ISO 11612:2015 Par. 7.6
70452	Protective clothing. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + UNI EN ISO 11612:2015 Par. 7.2
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN ISO 11612:2015 Par. 6.3.2
70409	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. B + UNI EN ISO 11612:2015 Par. 6.3.3
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN ISO 11612: 2015 Par. 7.3
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN ISO 11612:2015 Par. 6.2
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN ISO 11612:2015 Par. 6.5.1.1
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN ISO 11612:2015 Par. 6.5.2.1
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN ISO 11612:2015 Par. 6.5.4

Protective clothings against heat and flame

UNI EN ISO 11611:2015 "Protective clothing for use in welding and allied processes"

Code	Description	Methods
* 70471	Protective clothing. Molten small metal splashes	ISO 9150:1988 + UNI EN ISO 11611:2015 Par. 6.8
70615	Protective clothing. Vertical electrical resistance	UNI EN 1149-2:1999 + UNI EN ISO 11611:2015 Par. 6.10
70550	Protective clothing. Leather. Tensile strength	UNI EN ISO 3376:2020 + UNI EN ISO 11611:2015 Par. 6.2
* 70560	Protective clothing. Leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN ISO 11611:2015 Par. 6.3



* 70580	Protective clothing. Leather. Determination of matter soluble in dichloromethane and free fatty acid content	UNI EN ISO 4048:2018 + UNI EN ISO 11611:2015 Par. 6.11
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN ISO 11611:2015 Par. 6.4
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN ISO 11611:2015 Par. 6.4
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN ISO 11611:2015 Par. 6.7.2
70409	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. B + UNI EN ISO 11611:2015 Par. 6.7.3
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN ISO 11611:2015 Par. 6.9
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN ISO 11611:2015 Par. 6.2
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN ISO 11611:2015 Par. 6.3
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN ISO 11611:2015 Par. 6.5

Protective clothings against heat and flame

UNI EN 469:2020 " Protective clothing for firefighters"

Code	Description	Methods
70461	Protective clothing. Contact heat transmission	UNI EN ISO 12127-1:2016 + UNI EN 469:2020 Par. 6.2.1.2
70452	Protective clothing. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + UNI EN 469:2020 Par. 6.2.1.3
70272	Protective clothing. Tearing strenght after exposure to a radiant heat source	UNI EN ISO 6942:2004 Met. A + UNI EN ISO 13934-1:2013 + UNI EN 469:2020 Par. 6.2.1.5
* 70554	Protective clothing. Tearing strenght after exposure to a radiant heat source	UNI EN ISO 6942:2004 Met. A + UNI EN ISO 1421:2017 Method 1 + UNI EN 469:2020 Par. 6.2.1.5
70555	Protective clothing. Repellency/Penetration by liquids	UNI EN ISO 6530:2005 + UNI EN 469:2020 Par. 6.2.2
70320	Protective clothing. Rubber-or plastics-coated fabrics. Tensile strength	UNI EN ISO 1421:2017 Method 1 + UNI EN 469:2020 Par. 6.2.3.1
70306	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 4674-1:2017 Met. B + UNI EN 469:2020 Par. 6.2.3.2
70290	Protective clothing. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 469:2020 Par. 6.2.4
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 469:2020 Par. 6.2.1.1
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 469:2020 Par. 6.2.1.4
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN 469:2020 Par. 6.2.1.6
* 70492	Protective clothing. Melting behaviour	UNI EN ISO 3146:2002 + UNI EN 469:2020 Par. 6.2.1.7



70445	Protective clothing. Oven Treatment	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN 469:2020 Par. 6.2.6.4
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 469:2020 Par. 6.2.3.1
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN 469:2020 Par. 6.2.3.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 469:2020 Par. 6.2.3.1
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 469:2020 Par. 6.3.1
70165	Protective clothing. Minimum visible areas	UNI EN 469:2020 Par. 6.2.6.2
70170	Protective clothing. Colour coordinates	CIE 015:2018 + UNI EN 469:2020 Par. 6.2.6.3
* 70116	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 469:2020 Par. 6.2.6.3
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 469:2020 Par. 6.2.6.3

Protective clothings against heat and flame

UNI EN ISO 14116:2015 "Protective clothings - Protection against flame"

Code	Description	Methods
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN ISO 14116:2015 Par. 6.2.3
70302	Protective clothing. Tearing strenght. Trapezoid method	UNI EN ISO 9073-4:2021 + UNI EN ISO 14116:2015 Par. 6.2.2.2
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN ISO 14116:2015 Par. 6.1
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN ISO 14116:2015 Par. 6.2.1
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN ISO 14116:2015 Par. 6.2.2.1
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN ISO 14116:2015 Par. 6.2.4

Protective clothings against heat and flame

UNI EN 1486:2008 " Protective clothing for firefighters - reflective clothing for specialized firefighting"

Code	Description	Methods
70525	Protective clothing. Treatment of repeated flexing	UNI EN 1486:2008 Annex A
70450	Protective clothing. Heat transmission on exposure to a flame	UNI EN 367:1993 + UNI EN 1486:2008 Par. 6.3
70320	Protective clothing. Rubber-or plastics-coated fabrics. Tensile strength	UNI EN ISO 1421:2017 + UNI EN 1486:2008 Par. 7.2
70306	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 4674-1:2017 Met. B + UNI EN 1486:2008 Par. 7.4
70315	Protective clothing. Surface wetting. Spray test	UNI EN ISO 4920:2013 + UNI EN 1486:2008 Par. 8.1

* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 1486:2008 Par. 7.3
70461	Protective clothing. Contact heat transmission	UNI EN ISO 12127-1:2016 + UNI EN 1486:2008 Par. 6.4
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 1486:2008 Par 6.1
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 1486:2008 Par. 6.2
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN 1486:2008 Par. 6.5
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 1486:2008 Par. 7.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 1486:2008 Par. 7.5

Protective clothings against heat and flame

CEI EN 61482-2:2020 "Live working - Protective clothing against the thermal hazards of an electric arc. Part 2: Requirements"

Code	Description	Methods
* 70492	Protective clothing. Melting behaviour	UNI EN ISO 3146:2002 + CEI EN 61482-2:2020 Par. 5.2.5
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + CEI EN 61482-2:2020 Par. 5.3.1
* 70636	Protective clothing. Volume resistance	CEI EN 61340-2-3:2017 Par. 8.2.3 + CEI EN 61482-2:2020 Par. 5.3.2
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + CEI EN 61482-2:2020 Par. 5.3.3
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + CEI EN 61482-2:2020 Par. 5.3.4.1
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + CEI EN 61482-2:2020 Par. 5.3.4.2
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + CEI EN 61482-2:2020 Par. 5.3.4.3
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + CEI EN 61482-2:2020 Par. 5.3.4.3
* 71503	Protective clothing. Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc - Procedure A materials	CEI EN IEC 61482-1-1:2020 + CEI EN 61482-2:2020 Par. 5.4.1
* 71504	Protective clothing. Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc - Procedure B garments	CEI EN IEC 61482-1-1:2020 + CEI EN 61482-2:2020 Par. 5.4.1
* 71501	Protective clothing. Determination of arc protection class of material by using a constrained and directed arc (box test)	CEI EN 61482-1-2:2015 + CEI EN 61482-2:2020 Par. 5.4.1
* 71502	Protective clothing. Determination of arc protection class of clothing by using a constrained and directed arc (box test)	CEI EN 61482-1-2:2015 + CEI EN 61482-2:2020 Par. 5.4.1
* 70297	Protective clothing. Durability of marking	CEI EN 61482-2:2020 Par. 5.5.2

Protective clothings against heat and flame

UNI EN 15614:2007 "Protective clothing for firefighters. Laboratory test methods and performance requirements for wildland clothing"

Code	Description	Methods
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 15614:2007 Par. 6.2.2
70409	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. B + UNI EN 15614:2007 Par. 6.2.3
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 15614:2007 Par. 6.3
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN 15614:2007 Par. 6.4
* 70492	Protective clothing. Melting behaviour	UNI EN ISO 3146:2002 + UNI EN 15614:2007 Par. 6.5
70445	Protective clothing. Oven Treatment	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN 15614:2007 Par. 9.2
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 15614:2007 Par. 7.1
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN 15614:2007 Par. 7.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 15614:2007 Par. 7.3
70600	Protective clothing. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3 + UNI EN 15614:2007 Par. 8.1
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 15614:2007 Par. 7.4
70165	Protective clothing. Minimum visible areas	UNI EN 15614:2007 Par. 9.2
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 15614:2007 Par. 9.2

Protective clothings against heat and flame

UNI EN ISO 15384:2022 "Protective clothing for firefighters. Laboratory test methods and performance requirements for wildland firefighting clothing"

Code	Description	Methods
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN ISO 15384:2022 Par. 6.1.2
70409	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. B + UNI EN ISO 15384:2022 Par. 6.1.3
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN ISO 15384:2022 Par. 6.2
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN ISO 15384:2022 Par. 6.3
* 70492	Protective clothing. Melting behaviour	UNI EN ISO 3146:2002 + UNI EN ISO 15384:2022 Par. 6.3.1
70445	Protective clothing. Oven Treatment	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 15384:2022 Par. 6.3.2



70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN ISO 15384:2022 Par. 7.1
70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1 - 2004 + UNI EN ISO 15384:2022 Par. 7.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN ISO 15384:2022 Par. 7.3
* 70643	Protective clothing. Abrasion	UNI EN ISO 12947-2:2017 + UNI EN ISO 15384:2022 Par. 7.4
70600	Protective clothing. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3 + UNI EN ISO 15384:2022 Par. 8.1
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN ISO 15384:2022 Par. 8.2
* 70645	Protective clothing. Label durability and legibility	UNI EN ISO 15384:2022 Par. 10.2
70165	Protective clothing. Minimum visible areas	UNI EN ISO 15384:2022 Par. 9.2
70170	Protective clothing. Colour coordinates	CIE 015:2018 + UNI EN ISO 20471:2017 + UNI EN ISO 15384:2022 Par. 6.3.2
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN ISO 15384:2022 Par. 6.3.2

Protective clothing for firefighters

UNI EN 16689:2017 "Performance requirements for protective clothing for technical rescue"

Code	Description	Methods
70320	Protective clothing. Rubber-or plastics-coated fabrics. Tensile strength	UNI EN ISO 1421:2017 + UNI EN 16689:2017 Par. 7.1
70306	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 4674-1:2017 Met. B + UNI EN 16689:2017 Par. 7.2
70315	Protective clothing. Surface wetting. Spray test	UNI EN ISO 4920:2013 + UNI EN 16689:2017 Par. 7.4
70614	Protective clothing. Electric surface resistance	UNI EN 1149-1:2006 + UNI EN 16689:2017 Par. 7.5
70616	Protective clothing. Charge decay	UNI EN 1149-3:2005 Met. 2 + UNI EN 16689:2017 Par. 7.5
* 90114	Protective clothing. Resistance to penetration by blood borne pathogens	ISO 16604:2004 Procedure A or B + UNI EN 16689:2017 Par. 7.8
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 16689:2017 Par. 7.10
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN 16689:2017 Par. 7.10
* 70478	Protective clothing. Abrasion	UNI EN ISO 12947-2:2017 + UNI EN 16689:2017 Par. 7.3
70461	Protective clothing. Contact heat transmission	UNI EN ISO 12127-1:2016 + UNI EN 16689:2017 Par. 6.4
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 16689:2017 Par. 6.2
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 16689:2017 Par. 6.3
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 16689:2017 Par. 7.1

70305	Protective clothing. Tearing strength. Tear specimen	UNI EN ISO 13937-2:2002 + EC 1-2004 + UNI EN 16689:2017 Par. 7.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 16689:2017 Par. 7.1
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 16689:2017 Par. 7.7
70165	Protective clothing. Minimum visible areas	UNI EN 16689:2017 Par. 7.9

Protective clothings against heat and flame

UNI EN 13911:2017 "Protective clothing for firefighters - Requirements and test methods for fire hoods for firefighters"

Code	Description	Methods
* 70282	Protective clothing. Bursting strenght after exposure to a radiant heat source	UNI EN ISO 6942:2004 Met. A + UNI EN ISO 13938-1:2001 + UNI EN 13911:2017 Par. 6.1.5
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 13911:2017 Par. 6.1.7
70452	Protective clothing. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + UNI EN 13911:2017 Par. 6.1.3
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 13911:2017 Par. 6.1.2
70438	Protective clothing. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 13911:2017 Par. 6.1.4
70443	Protective clothing. Resistance to heat. Dimensional changes and appearance changes	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + UNI EN 13911:2017 Par. 6.1.6

Protective clothing against cold and rain

UNI EN 342:2018 "Ensembles and garments for protection against cold"

Code	Description	Methods
* 70610	Thermic maniquine	UNI EN ISO 15831:2005 + UNI EN 342:2018 Par. 6.3
70585	Protective clothing. Permeability to air	UNI EN ISO 9237:1997 + UNI EN 342:2018 Par. 6.4
70290	Protective clothing. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 342:2018 Par. 6.5
70307	Protective clothing. Tearing strenght. Double-teared method	UNI EN ISO 4674-1:2017 Met. A + UNI EN 342:2018 Par. 6.7.1
* 70295	Protective clothing. Low-temperature bend test	ISO 4675:2017 + UNI EN 342:2018 Par. 6.7.3
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 342:2018 Par. 6.7.2
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN 342:2018 Par. 6.7.2
70600	Protective clothing. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3 + UNI EN 342:2018 Par. 6.6

70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 342:2018 Par. 6.6
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Protective clothing against cold and rain

UNI EN 343:2019 "Protective clothing - Protection against rain"

Code	Description	Methods
70290	Protective clothing. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 343:2019 Par. 6.3
70401	Protective clothing. Pretreatment by abrasion (Martindale)	UNI EN 530:2010 Met. 2 + UNI EN 343:2019 Par. 5.3
70415	Protective clothing. Treatment of abrasion (Martindale). Deterioration of the specimen	UNI EN ISO 12947-1:2000 + EC 1-2010 + UNI EN ISO 12947-2:2017 + UNI EN 343:2019 Par. 5.3
70522	Protective clothing. Treatment of repeated flexing	UNI EN ISO 7854:1999 Met. C + UNI EN 343:2019 Par. 5.4
70405	Protective clothing. Treatment: fuel and oil	UNI EN 343:2019 Par. 5.5
70307	Protective clothing. Tearing strenght. Double-teared method	UNI EN ISO 4674-1:2017 Met. A + UNI EN 343:2019 Par. 6.6
70177	Protective clothing. Impact with high energy droplets	UNI EN 14360:2004 + UNI EN 343:2019 Par. 6.10
70320	Protective clothing. Rubber-or plastics-coated fabrics. Tensile strength	UNI EN ISO 1421:2017 + UNI EN 343:2019 Par. 6.5
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 343:2019 Par. 6.7
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN 343:2019 Par. 6.7
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 343:2019 Par. 6.5
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 343:2019 Par. 6.9
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 343:2019 Par. 6.4

Protective clothing against cold and rain

UNI EN 14058:2018 "Single garments for protection against cold"

Code	Description	Methods
70585	Protective clothing. Permeability to air	UNI EN ISO 9237:1997 + UNI EN 14058:2018 Par. 6.4
70290	Protective clothing. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 14058:2018 Par. 6.5
* 70610	Thermic manniquine	UNI EN ISO 15831:2005 + UNI EN 14058:2018 Par. 6.7
70307	Protective clothing. Tearing strenght. Double-teared method	UNI EN ISO 4674-1:2017 Met. A + UNI EN 14058:2018 Par. 6.8.1
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN 14058:2018 Par. 6.8.2

70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN 14058:2018 Par. 6.8.2
70600	Protective clothing. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3 + UNI EN 14058:2018 Par. 6.3
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN 14058:2018 Par. 6.6

Protective clothing against low-visibility risks UNI EN ISO 20471:2017 "High-visibility clothing"

Code	Description	Methods
70320	Protective clothing. Rubber-or plastics-coated fabrics. Tensile strength	UNI EN ISO 1421:2017 + UNI EN ISO 20471:2017 Par. 5.5.3
70307	Protective clothing. Tearing strenght. Double-teared method	UNI EN ISO 4674-1:2017 Met. A + UNI EN ISO 20471:2017 Par. 5.5.3
* 70280	Protective clothing. Bursting strength and bursting distension	UNI EN ISO 13938-1:2020 (only area 7.3 cm ²) except point 6.1.3 and 8.5 + UNI EN ISO 20471:2017 Par. 5.5.2
70283	Protective clothing. Bursting strength	UNI EN ISO 13938-2:2020 + UNI EN ISO 20471:2017 Par. 5.5.2
70520	Protective clothing. Fabrics coated with polymeric materials. Treatment through repeated bendings	UNI EN ISO 7854:1999 Met. A + UNI EN ISO 20471:2017 Par. 7.4.2
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN ISO 20471:2017 Par. 5.5.1
70600	Protective clothing. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3 + UNI EN ISO 20471:2017 Par. 5.6.3
70590	Protective clothing. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN ISO 20471:2017 Par. 5.6.3
70165	Protective clothing. Minimum visible areas	UNI EN ISO 20471:2017 Par. 4.1
70180	Protective clothing. Exposure to artificial light with Xenon arc fading lamp	ISO 105-B02:1994 Met. 3 + UNI EN ISO 20471:2017 Par. 5.2
70170	Protective clothing. Colour coordinates	CIE 015:2018 + UNI EN ISO 20471:2017 Par. 7.2
70190	Protective clothing. Colour fastness to rubbing	UNI EN ISO 105-X12:2016 + UNI EN ISO 20471:2017 Par. 5.3.1
70220	Protective clothing. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010 + UNI EN ISO 20471:2017 Par. 5.3.3
70230	Protective clothing. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998 + UNI EN ISO 20471:2017 Par. 5.3.3
70240	Protective clothing. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010 + UNI EN ISO 20471:2017 Par. 5.3.3
* 70116	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN ISO 20471:2017 Par. 7.3
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN ISO 20471:2017 Par. 7.3
* 70118	Protective clothing. Areic coefficient of luminous intensity under rain influence	CIE 54.2:2001 + UNI EN ISO 20471:2017 Par. 7.4.5
70475	Protective clothing. Pretreatment by abrasion (Martindale)	UNI EN ISO 12947-2:2017 + UNI EN ISO 20471:2017 Par. 7.4.1
70523	Protective clothing. Treatment by low-temperature bend	ISO 4675:2017 + UNI EN ISO 20471:2017 Par. 7.4.3

* 70402	Protective clothing. Treatment to temperature variations	MIP 301:2004 Rev.0 + UNI EN ISO 20471:2017 Par. 7.4.4
70200	Protective clothing. Colour fastness to perspiration	UNI EN ISO 105-E04:2013 + UNI EN ISO 20471:2017 Par. 5.3.2
70210	Protective clothing. Colour fastness to bleaching: Hypochlorite	UNI EN 20105-N01:1997 + UNI EN ISO 20471:2017 Par. 5.3.3

UNI EN 1150:2001 "Visibility clothing for non professional use"

Code	Description	Methods
* 70166	Protective clothing. Minimum visibile areas	UNI EN 1150:2001 Par. 4.1
70231	Protective clothing. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998 + UNI EN 1150:2001 Par. 5.3
70401	Protective clothing. Pretreatment by abrasion (Martindale)	UNI EN 530:2010 Met. 2 + UNI EN 1150:2001 Par. 7.4.1
70520	Protective clothing. Fabrics coated with polymeric materials. Treatment through repeated bendings	UNI EN ISO 7854:1999 Met. A + UNI EN 1150:2001 Par. 7.4.2
70180	Protective clothing. Exposure to artificial light with Xenon arc fading lamp	ISO 105-B02:1994 Met. 3 + UNI EN 1150:2001 Par. 5.2.2
70170	Protective clothing. Colour coordinates	CIE 015:2018 + UNI EN 1150:2001 Par. 5.2.1
70220	Protective clothing. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010 + UNI EN 1150:2001 Par. 5.3
70240	Protective clothing. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010 + UNI EN 1150:2001 Par. 5.3
* 70116	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 1150:2001 Par. 6.1
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 1150:2001 Par. 6.2
* 70118	Protective clothing. Areic coefficient of luminous intensity under rain influence	CIE 54.2:2001 + UNI EN 1150:2001 Par. 6.2
70523	Protective clothing. Treatment by low-temperature bend	ISO 4675:2017 + UNI EN 1150:2001 Par. 7.4.3
* 70402	Protective clothing. Treatment to temperature variations	MIP 301:2004 Rev.0 + UNI EN 1150:2001 Par. 7.4.4

UNI EN 17353:2020 "Enhanced visibility equipment for medium risk situations - Test methods and requirements"

Code	Description	Methods
70165	Protective clothing. Minimum visible areas	UNI EN 17353:2020 Par. 4.2
70180	Protective clothing. Exposure to artificial light with Xenon arc fading lamp	ISO 105-B02:2014 Met. 3 + UNI EN 17353:2020 Par. 6.1.2
70170	Protective clothing. Colour coordinates	CIE 015:2018 + UNI EN 17353:2020 Par. 7.2
70190	Protective clothing. Colour fastness to rubbing	UNI EN ISO 105-X12:2016 + UNI EN 17353:2020 Par. 6.1.3
70200	Protective clothing. Colour fastness to perspiration	UNI EN ISO 105-E04:2013 + UNI EN 17353:2020 Par. 6.1.3
70210	Protective clothing. Colour fastness to bleaching: Hypochlorite	UNI EN 20105-N01:1997 + UNI EN 17353:2020 Par. 6.1.3

70220	Protective clothing. Colour fastness to domestic and commercial laundering	UNI EN ISO 105-C06:2010 + UNI EN 17353:2020 Par. 6.1.3
70230	Protective clothing. Colour fastness to hot pressing	UNI EN ISO 105-X11:1998 + UNI EN 17353:2020 Par. 6.1.3
70240	Protective clothing. Colour fastness to dry cleaning	UNI EN ISO 105-D01:2010 + UNI EN 17353:2020 Par. 6.1.3
* 70119	Protective clothing. Coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 17353:2020 Par. 7.3.2
* 70116	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 17353:2020 Par. 7.3.3
* 70120	Protective clothing. Coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 17353:2020 Par. 7.3.2
* 70117	Protective clothing. Areic coefficient of luminous intensity	CIE 54.2:2001 + UNI EN 17353:2020 Par. 7.3.3
* 70118	Protective clothing. Areic coefficient of luminous intensity under rain influence	CIE 54.2:2001 + UNI EN ISO 20471:2017 Par. 7.4.5 + UNI EN 17353:2020 Par. 7.4.4
70475	Protective clothing. Pretreatment by abrasion (Martindale)	UNI EN ISO 12947-2:2017 + UNI EN 17353:2020 Par. 7.4.1
70523	Protective clothing. Treatment by low-temperature bend	ISO 4675:2017 + UNI EN 17353:2020 Par. 7.4.2
* 70402	Protective clothing. Treatment to temperature variations	MIP 301:2004 Rev.0 + UNI EN 17353:2020 Par. 7.4.3
* 70126	Protective clothing. Free fall test	UNI EN 17353:2020 Par. 7.4.5
* 70127	Protective clothing. Influence of water (water immersion)	UNI EN 17353:2020 Par. 7.4.6

Protective clothing against electrostatic charges

UNI EN 1149-5:2018 "Electrostatic properties Part 5: Material performance and design requirements"

Code	Description	Methods
* 70637	Protective clothing. Thickness	UNI EN ISO 5084:1998 (except points A1 and A2 of appendix) + UNI EN 1149-5:2018 Par. 4.2.1
* 70638	Protective clothing. Electric capacitance	CEI EN 60079-32-2:2016 + UNI EN 1149-5:2018 Par. 4.2.2.3
70614	Protective clothing. Electric surface resistance	UNI EN 1149-1:2006 + UNI EN 1149-5:2018 Par. 4.2.1
70616	Protective clothing. Charge decay	UNI EN 1149-3:2005 Met. 2 + UNI EN 1149-5:2018 Par. 4.2.1

Protective clothing against chemical risk

UNI EN 14325:2005 "Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages"

Code	Description	Methods
70400	Protective clothing. Abrasion (Martindale)	UNI EN 530:2010 Met. 2 + UNI EN 14325:2005 Par. 4.4
70521	Protective clothing. Resistance to damage by repeated flexing	UNI EN ISO 7854:1999 Met. B + UNI EN 14325:2005 Par. 4.5



* 70547	Protective clothing. Resistance to damage by repeated flexing (-30°C)	UNI EN ISO 7854:1999 Met. B + UNI EN 14325:2005 Par. 4.6
70302	Protective clothing. Tearing strenght. Trapezoid method	UNI EN ISO 9073-4:2021 + UNI EN 14325:2005 Par. 4.7
70540	Protective clothing. Perforation	UNI EN 863:1997 + UNI EN 14325:2005 Par. 4.10
* 70503	Protective clothing. Permeation by liquids	ISO 6529:2013 + UNI EN 14325:2005 Par. 4.11
* 70504	Protective clothing. Permeation by liquids (antiblastic) or no standard chemical	ISO 6529:2013 + UNI EN 14325:2005 Par. 4.11
70505	Protective clothing. Repellency/Penetration by liquids	UNI EN ISO 6530:2005 + UNI EN 14325:2005 Par. 4.12 and 4.13
70411	Protective clothing. Ignition and flammability	UNI EN 13274-4:2021 Met. 3 + UNI EN 14325:2005 Par. 4.14
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 14325:2005 Par. 4.9
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 14325:2005 Par. 5.5

Protective clothing against chemical risk

UNI EN 13034:2009 "Protective clothing against liquid chemicals (type 6 and type PB 6 clothing)"

Code	Description	Methods
* 70605	Protective clothing. Penetration by spray	UNI EN ISO 17491-4:2008 + UNI EN 13034:2009 Par. 5.2

Protective clothing against chemical risk

UNI EN ISO 13982-1:2011 "Protective clothing for use against solid particulate (type 5 clothing)"

Code	Description	Methods
* 70506	Protective clothing. Aerosol penetration	UNI EN ISO 13982-2:2005 + UNI EN ISO 13982-1:2011 Par. 4.3.2

Protective clothing against chemical risk

UNI EN 14605:2009 "Protective clothing against liquid chemicals

Performance Requirements for clothing with liquid-tight (Type 3 and Type PB 3) or spray-tight (Type 4 and Type PB 4)"

Code	Description	Methods
* 70605	Protective clothing. Penetration by spray	UNI EN ISO 17491-4:2008 + UNI EN 14605:2009 Par. 4.3.4
* 70606	Protective clothing. Penetration by a jet of liquid	UNI EN ISO 17491-3:2008 + UNI EN 14605:2009 Par.4.3.4
* 70608	Protective clothing. Visor. Mechanical strenght of visor	UNI EN 12941:2009 + UNI EN 14605:2009 Par. 4.4.2
* 70578	Protective clothing. Visor. Field of vision	UNI EN 14605:2009 Par. 4.4.3
* 70577	Protective clothing. Visor. Distortion of vision	UNI EN 14605:2009 Par. 4.4.4

Protective clothing against chemical risk

UNI EN 943-1:2019 "Protective clothing against dangerous solid, liquid and gaseous chemicals,

including liquid and solid aerosols - Part 1: Performance requirements for Type 1 (gas-tight) chemical protective suits"

Code	Description	Methods
* 70478	Protective clothing. Abrasion	UNI EN ISO 12947-2:2017 + UNI EN 14325:2018 Par. 4.4 + UNI EN 943-1:2019 Par. 4.2
* 70571	Protective clothing. Resistance of joints and assemblies	UNI EN 943-1:2019 Par 6.4
* 70572	Protective clothing. Practical performance tests. Simulation test to work	UNI EN 943-1:2019 Par. 5.16 and 6.2
* 70573	Protective clothing. Conditioning	UNI EN 943-1:2019 Par. 5.3
* 70574	Protective clothing. Determination of leak-tightness of gas-tight suits	ISO 17491-1:2012 + UNI EN 943-1:2019 Par. 5.4
* 70576	Protective clothing. Leak tightness of gas internal pressure	UNI EN 943-1:2019 Par. 5.5 and Appendix A
* 70577	Protective clothing. Visor. Distortion of vision	UNI EN 943-1:2019 Par 5.6.2
* 70559	Protective clothing. Visor. Distortion of vision after chemical exposure	UNI EN 943-1:2019 Par 5.6.3
* 70578	Protective clothing. Visor. Field of vision	UNI EN 943-1:2019 Par. 5.6.4
* 70579	Protective clothing. Visor. Mechanical resistance	UNI EN 943-1:2019 Par. 5.6.5
* 70562	Protective clothing. Visor. Penetration by a jet of liquid	UNI EN ISO 17491-3:2008 + UNI EN 943-1:2019 Par. 5.7
* 70563	Protective clothing. Connection system. Strength of pass-through	UNI EN 14594:2005 Par. 7.6 + UNI EN 943-1:2019 Par. 5.8.2
* 70564	Protective clothing. Connection system. Performance of pass-through	UNI EN 14594:2005 + UNI EN 943-1:2019 Par. 5.8.3 UNI EN 14593-1:2005 + UNI EN 943-1:2019 Par. 5.8.3
* 70565	Protective clothing. Power supply system. Couplings	UNI EN 14594:2005 Par. 6.6.2 + UNI EN 943-1:2019 Par. 5.9.2
* 70566	Protective clothing. Power supply system. Connection strength	UNI EN 14594:2005 Par. 7.6 + UNI EN 943-1:2019 Par. 5.9.4
* 70595	Protective clothing. Discharge devices. Tightness test	UNI EN 943-1:2019 Par. 5.10 and 6.5.1
* 70567	Protective clothing. Discharge devices. Connection between exhalation valve and chemical protective clothing material	UNI EN 943-1:2019 Par. 5.10 and 6.5.2
* 70558	Protective clothing. Discharge devices. Penetration by a jet of liquid	UNI EN ISO 17491-3:2008 + UNI EN 943-1:2019 Par. 5.10
* 70596	Protective clothing. Pressure in chemical protective suit	UNI EN 943-1:2019 Par. 5.11 and 6.3
* 70568	Protective clothing. External ventilating hose	UNI EN 14594:2005 Par. 7.6 + UNI EN 943-1:2019 Par. 5.12
* 70569	Protective clothing. Air flow rate of breathing air. Continuous flow valve breathing air supply	UNI EN 14594:2005 Par. 6.15 + UNI EN 943-1:2019 par. 5.13.2
* 70594	Protective clothing. Air flow rate of breathing air. Warning and measuring facilities	UNI EN 14594:2005 Par. 7.15 + UNI EN 943-1:2019 Par. 5.13.3
* 70582	Protective clothing. Air flow rate of breathing air. Compressed air supply tube	UNI EN 14594:2005 Par. 6.12 + UNI EN 943-1:2019 Par. 5.13.4
* 70598	Protective clothing. Carbon dioxide content of inhalation air	UNI EN 14594:2005 Par. 6.19 + UNI EN 943-1:2019 Par. 5.14
* 70599	Protective clothing. Noise associated with air supply to suit	UNI EN 14594:2005 Par. 7.18 + UNI EN 943-1:2019 Par. 5.15
70521	Protective clothing. Resistance to damage by repeated flexing	UNI EN ISO 7854:1999 Met. B + UNI EN 14325:2018 Par. 4.5 + UNI EN 943-1:2019 Par. 4.2

* 70547	Protective clothing. Resistance to damage by repeated flexing (-30°C)	UNI EN ISO 7854:1999 Met. B + UNI EN 14325:2018 Par. 4.6 + UNI EN 943-1:2019 Par. 4.2
70302	Protective clothing. Tearing strenght. Trapezoid method	UNI EN ISO 9073-4:2021 + UNI EN 14325:2018 Par. 4.7 + UNI EN 943-1:2019 Par. 4.2
70540	Protective clothing. Perforation	UNI EN 863:1997 + UNI EN 14325:2018 Par. 4.10 + UNI EN 943-1:2019 Par. 4.2
* 70503	Protective clothing. Permeation by liquids	ISO 6529:2013 + UNI EN 14325:2018 Par. 4.11 + UNI EN 943-1:2019 Par. 4.2
70411	Protective clothing. Ignition and flammability	UNI EN 13274-4:2021 Met. 3 + UNI EN 14325:2018 Par. 4.14 + UNI EN 943-1:2019 Par. 4.2
70270	Protective clothing. Tensile strenght and elongation. Strip method	UNI EN ISO 13934-1:2013 + UNI EN 14325:2018 Par. 4.9 + UNI EN 943-1:2019 Par. 4.2
70340	Protective clothing. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 14325:2018 Par. 5.5 + UNI EN 943-1:2019 Par. 4.3

Protective clothing against radioactive contamination

UNI EN 1073-1:2000 "Requirements and test methods for ventilated protective clothing against particulate radioactive contamination"

Code	Description	Methods
* 70457	Protective clothing. Leak tightness of gas internal pressure	UNI EN 943-1:2015 Par. 5.5 and Appendix A
* 70548	Protective clothing. Resistance of joints and assemblies	UNI EN 1073-1:2000 Par. 4.4.2
* 70579	Protective clothing. Visor. Mechanical resistance	UNI EN 1073-1:2000 Par. 4.5
* 70458	Protective clothing. Air supply system. Connection resistance	UNI EN 14594:2018 Par. 6.6 + UNI EN 1073-1:2000 Par. 4.6
* 70459	Pre-Conditioning	UNI EN 1073-1:2000 Par. 5.1.4
* 70467	Protective clothing. Air flow rate	UNI EN 1073-1:2000 Par. 4.8
* 70594	Protective clothing. Air flow rate of breathing air. Warning and measuring facilities	UNI EN 14594:2018 Par. 6.15 + UNI EN 1073-1:2000 Par. 4.9
* 70595	Protective clothing. Discharge devices. Tightness test	UNI EN 1073-1:2000 Par. 4.11
* 70596	Protective clothing. Pressure in chemical protective suit	UNI EN 1073-1:2000 Par. 4.12
* 70598	Protective clothing. Carbon dioxide content of inhalation air	UNI EN 14594:2018 Par. 6.13 + UNI EN 1073-1:2000 Par. 4.13
* 70599	Protective clothing. Noise associated with air supply to suit	UNI EN 14594:2018 Par. 6.18 + UNI EN 1073-1:2000 Par. 4.14
* 70468	Protective clothing. Practical performance tests	UNI EN 1073-1:2000 Par. 5.2
* 70469	Protective clothing. Control of specific requirements (breathing tube)	UNI EN 1073-1:2000 Par. 4.7
* 70577	Protective clothing. Visor. Distortion of vision	UNI EN 1073-1:2000 Par. 4.5

Protective clothing against radioactive contamination

UNI EN 1073-2:2003 "Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination"

Code	Description	Methods
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* 70501	Rubber-or plastics-coated fabrics. Blocking resistance	UNI EN 25978:1996 + UNI EN 1073-2:2003 Par. 4.2
* 70508	Protective clothing. Aerosol penetration	EN 13982-2:2004 + UNI EN 1073-2:2003 Par. 5.3
* 70549	Data re-processing of aerosol penetration test	UNI EN 1073-2:2003
70502	Protective clothing. Practical performance tests	UNI EN 1073-2:2003 Par. 5.2
* 70548	Protective clothing. Resistance of joints and assemblies	UNI EN 1073-2:2003 Par. 4.4.2

Protective clothing against biological risk

UNI EN 14126:2004 "Protective clothing - Performance requirements and tests methods for protective clothing against infective agents"

If protection against chemicals is also claimed, the materials shall be tested and classified in accordance with the test methods and performance classification system specified in the relevant clauses of EN 14325:2005.

Protective clothing against infective agents shall fulfill the whole suit requirements specified in the relevant standards for chemical protective clothing.

Code	Description	Methods
90102	Protective clothing. Penetration by blood and body fluids. Synthetic blood method	ISO 16603:2004 + UNI EN 14126:2004 Par. 4.1.4.1
* 90112	Protective clothing. Penetration by blood and other body fluids-born pathogens. Phi-X174 bacteriophage method	ISO 16604:2004 + UNI EN 14126:2004 Par. 4.1.4.1
90123	Protective clothing. Wet bacterial penetration	UNI EN ISO 22610:2006 + UNI EN 14126:2004 Par. 4.1.4.2
* 90134	Protective clothing. Penetration by biologically contaminated aerosols	ISO/DIS 22611:2003 + UNI EN 14126:2004 Par. 4.1.4.3
90135	Protective clothing. Penetration by biologically contaminated powders	UNI EN ISO 22612:2005 + EC 1-2011 + UNI EN 14126:2004 Par. 4.1.4.4

Protective clothing against entanglement

UNI EN 510:2020 "Specification for protective clothing for use where there is a risk of entanglement with moving parts"

Code	Description	Methods
* 70261	Protective clothing. Functionality of fastening elements	UNI EN 510:2020 Par. 4.2

Protective clothings for users of hand-held chainsaws

UNI EN ISO 11393-2:2019 "Protective clothings for users of hand-held chainsaws - Part 2: Performance requirements and test methods for leg protectors"

Code	Description	Methods
* 70646	Protective clothings for users of hand-held chainsaws. Ergonomics	UNI EN ISO 11393-2:2019 Par. 6.6
* 70647	Protective clothings for users of hand-held chainsaws. Dimensional stability of garment in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 11393-2:2019 Par. 6.2
* 70648	Protective clothings for users of hand-held chainsaws. Dimensional stability of garment in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 11393-2:2019 Par. 6.2

* 70649	Protective clothings for users of hand-held chainsaws. Other changes as a consequence of cleaning	UNI EN ISO 11393-2:2019 Par. 6.4.5.4 + UNI EN ISO 11393-2:2019 Par. 4.5.2
* 70511	Protective clothings for users of hand-held chainsaws. Measurement of protective coverage	UNI EN ISO 11393-2:2019 Par. 6.3
* 70512	Protective clothings for users of hand-held chainsaws. Testing of resistance to cutting	UNI EN ISO 11393-2:2019 Par. 6.4
* 70513	Protective clothings for users of hand-held chainsaws. Measurement of the strength of the protective insert attachment	UNI EN ISO 11393-2:2019 Par. 6.5
* 70650	Protective clothings for users of hand-held chainsaws. Assessment of label visibility after washing	UNI EN ISO 11393-2:2019 Par. 7

Protective clothings for users of hand-held chainsaws

UNI EN ISO 11393-6:2019 "Protective clothings for users of hand-held chainsaws - Part 6: Performance requirements and test methods for upper body protectors"

Code	Description	Methods
* 70646	Protective clothings for users of hand-held chainsaws. Ergonomics	UNI EN ISO 11393-6:2019 Par. 11
* 70647	Protective clothings for users of hand-held chainsaws. Dimensional stability of garment in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 11393-6:2019 Par. 7
* 70648	Protective clothings for users of hand-held chainsaws. Dimensional stability of garment in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN ISO 11393-6:2019 Par. 7
* 70649	Protective clothings for users of hand-held chainsaws. Other changes as a consequence of cleaning	UNI EN ISO 11393-6:2019 Par. 6.5 + UNI EN ISO 11393-6:2019 Par. 4.6.2
* 70514	Protective clothings for users of hand-held chainsaws. Measurement of protective coverage	UNI EN ISO 11393-6:2019 Par. 8
* 70515	Protective clothings for users of hand-held chainsaws. Testing of resistance to cutting	UNI EN ISO 11393-6:2019 Par. 9
* 70513	Protective clothings for users of hand-held chainsaws. Measurement of the strength of the protective insert attachment	UNI EN ISO 11393-6:2019 Par. 10
* 70650	Protective clothings for users of hand-held chainsaws. Assessment of label visibility after washing	UNI EN ISO 11393-6:2019 Par. 13

Protective clothings for users of hand-held chainsaws

UNI EN ISO 11393-5:2019 "Protective clothings for users of hand-held chainsaws - Part 5: Performance requirements and test methods for protective gaiters"

Code	Description	Methods
* 70651	Protective clothings for users of hand-held chainsaws. Specified protective area	UNI EN ISO 11393-5:2019 Par. 4.4
* 70512	Protective clothings for users of hand-held chainsaws. Testing of resistance to cutting	UNI EN ISO 11393-5:2019 Par. 6.2
* 70652	Protective clothings for users of hand-held chainsaws. Strength of the attachment system	UNI EN ISO 11393-5:2019 Par. 6.3
* 70653	Protective clothings for users of hand-held chainsaws. Twisting resistance of the gaiter	UNI EN ISO 11393-5:2019 Par. 6.4
* 70646	Protective clothings for users of hand-held chainsaws. Ergonomics	UNI EN ISO 11393-5:2019 Par. 6.5
* 70650	Protective clothings for users of hand-held chainsaws. Assessment of label visibility after washing	UNI EN ISO 11393-5:2019 Par. 7

Protective clothing for professional motorcycle rider

UNI EN 13595-1:2004 "Protective clothing for professional motorcycle riders: jackets, trousers and one piece or divided suits. General requirements"

Code	Description	Methods
70516	Protective clothing for motorcycle riders. Impact abrasion resistance	UNI EN 13595-2:2004 + UNI EN 13595-1:2004 Par. 5.4

70517	Protective clothing for motorcycle riders. Impact cut resistance	UNI EN 13595-4:2004 + UNI EN 13595-1:2004 Par. 5.5
70539	Protective clothing for motorcycle riders. Tearing strenght. Double-teared method	UNI EN ISO 4674-1:2017 Met. A + UNI EN 13595-1:2004 Par. 5.2
70542	Protective clothing for motorcycle riders, leather. Colour fastness to water	UNI EN ISO 11642:2013 + UNI EN 13595-1:2004 Par. 5.7
70543	Protective clothing for motorcycle riders. Colour fastness to water	UNI EN ISO 105-E01:2013 + UNI EN 13595-1:2004 Par. 5.7
70544	Protective clothing for motorcycle riders, leather. pH	UNI EN ISO 4045:2018 + UNI EN 13595-1:2004 Par. 5.8
70546	Protective clothing for motorcycle riders, textile. pH of aqueous extract	UNI EN ISO 3071:2020 + UNI EN 13595-1:2004 Par. 5.8
70519	Protective clothing for motorcycle riders. Retention system effectiveness (sleeves, legs)	UNI EN 13595-1:2004 Par. 7.1
70509	Protective clothing for motorcycle riders. Retention system effectiveness (connection between divisible suits)	UNI EN 13595-1:2004 Par. 7.1 and Appendix B
70531	Protective clothing for motorcycle riders. Impact protector retention system effectiveness	UNI EN 13595-1:2004 Par. 7.2 and Appendix B
* 70532	Protective clothing for motorcycle riders. Determination of zone classification of risk categories	UNI EN 13595-1:2004 Par. 8 and Appendix C
* 70533	Protective clothing for motorcycle riders. Determination of garnment fitting ergonomics	UNI EN 13595-1:2004 Par. 6 and Appendix A
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 13595-1:2004 Par. 5.2

Protective clothing for motorcyclists

UNI EN 1621-1:2013 "Motorcyclists' protective clothing against mechanical impact. Part 1: Motorcyclists' limb joint impact protectors - Requirements and test methods"

Code	Description	Methods
70860	Motorcyclists' protective clothings against mechanical impact. Check areas of impact	UNI EN 1621-1:2013 Par. 4
70859	Motorcyclists' protectives clothings against mechanical impact. Impact attenuation	UNI EN 1621-1:2013 Par. 5.4
70867	Motorcyclists' protectives clothings against mechanical impact. Colour fastness to water	UNI EN ISO 105-E01:2013 + UNI EN 1621-1:2013 Par. 6.2
70872	Motorcyclists' protectives clothings against mechanical impact, leather. Colour fastness to water	UNI EN ISO 11642:2013 + UNI EN 1621-1:2013 Par. 6.2
* 70868	Motorcyclists' protectives clothings against mechanical impact. Ergonomic assessment	UNI EN 1621-1:2013 Par. 5.5
70869	Motorcyclists' protectives clothings against mechanical impact. Hydrolytic ageing	UNI EN 1621-1:2013 Par. 6.3.4.3
70870	Motorcyclists' protectives clothings against mechanical impact. Conditioning at high temperatures	UNI EN 1621-1:2013 Par. 6.3.4.4
70871	Motorcyclists' protectives clothings against mechanical impact. Conditioning at low temperatures	UNI EN 1621-1:2013 Par. 6.3.4.5

Protective clothing for professional motorcycle rider

UNI EN 1621-2:2014 "Motorcyclists' protectives clothing against mechanical impact. Motorcyclists' back protectors: requirements and test methods"

Code	Description	Methods
70865	Motorcyclists' protective clothings against mechanical impact. Impact test for back protectors	UNI EN 1621-2:2014 Par. 4.4
* 70861	Motorcyclists' protective clothings against mechanical impact. Ergonomic requirements	UNI EN 1621-2:2014 Par. 4.5
70862	Motorcyclists' protective clothings against mechanical impact. Size	UNI EN 1621-2:2014 Par. 4.6
70869	Motorcyclists' protectives clothings against mechanical impact. Hydrolytic ageing	UNI EN 1621-2:2014 Par. 5.1.6.2

70870	Motorcyclists' protective clothings against mechanical impact. Conditioning at high temperatures	UNI EN 1621-2:2014 Par. 5.1.6.3
70871	Motorcyclists' protective clothings against mechanical impact. Conditioning at low temperatures	UNI EN 1621-2:2014 Par. 5.1.6.4
70867	Motorcyclists' protective clothings against mechanical impact. Colour fastness to water	UNI EN ISO 105-E01:2013 + UNI EN 1621-2:2014 Par. 4.2
70872	Motorcyclists' protective clothings against mechanical impact, leather. Colour fastness to water	UNI EN ISO 11642:2013 + UNI EN 1621-2:2014 Par. 4.2
70860	Motorcyclists' protective clothings against mechanical impact. Check areas of impact	UNI EN 1621-2:2014 Par. 4.3

UNI EN 17092-2:2020 "Protective garments for motorcycle riders - Part 2: Class AAA garments - Requirements"

Code	Description	Methods
* 70625	Protective clothing for motorcycle riders. Dimensional stability of garments in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-2:2020 Par. 4.1.3
* 70626	Protective clothing for motorcycle riders. Dimensional stability of garments in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-2:2020 Par. 4.1.3
* 70627	Protective clothing for motorcycle riders. Impact protector location and fixation	UNI EN 17092-1:2020 Par. 5.5.2 + UNI EN 17092-2:2020 Par. 4.2
* 70628	Protective clothing for motorcycle riders. Determination of impact abrasion resistance (Darmstadt method)	UNI EN 17092-1:2020 Par. 5.4 + UNI EN 17092-2:2020 Par. 4.3
* 70629	Protective clothing for motorcycle riders. Resistance of seams: tensile strength	EN 13594:2015 Annex B + UNI EN 17092-2:2020 Par. 4.4.2
* 70635	Protective clothing for motorcycle riders, textile. Tear strength	UNI EN ISO 4674-1:2017 Met. B + UNI EN 17092-2:2020 Par. 4.5
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 17092-2:2020 Par. 4.5
* 70630	Protective clothing for motorcycle riders. Restraint (two-piece suit)	UNI EN 17092-1:2020 Par. 5.5.3.1 + UNI EN 17092-2:2020 Par. 4.6.2
* 70631	Protective clothing for motorcycle riders. Restraint (sleeve)	UNI EN 17092-1:2020 Par. 5.5.3.2 + UNI EN 17092-2:2020 Par. 4.6.3
* 70632	Protective clothing for motorcycle riders. Determination of risk category zones	UNI EN 17092-1:2020 Par. 5.2 + UNI EN 17092-2:2020 Par. 4.7.1
* 70633	Protective clothing for motorcycle riders. Fit and ergonomics	UNI EN 17092-1:2020 Par. 5.6 + UNI EN 17092-2:2020 Par. 4.8

UNI EN 17092-3:2020 "Protective garments for motorcycle riders - Part 3: Class AA garments - Requirements"

Code	Description	Methods
* 70625	Protective clothing for motorcycle riders. Dimensional stability of garments in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-3:2020 Par. 4.1.3
* 70626	Protective clothing for motorcycle riders. Dimensional stability of garments in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-3:2020 Par. 4.1.3

* 70627	Protective clothing for motorcycle riders. Impact protector location and fixation	UNI EN 17092-1:2020 Par. 5.5.2 + UNI EN 17092-3:2020 Par. 4.2
* 70628	Protective clothing for motorcycle riders. Determination of impact abrasion resistance (Darmstadt method)	UNI EN 17092-1:2020 Par. 5.4 + UNI EN 17092-3:2020 Par. 4.3
* 70629	Protective clothing for motorcycle riders. Resistance of seams: tensile strength	EN 13594:2015 Annex B + UNI EN 17092-3:2020 Par. 4.4.2
* 70635	Protective clothing for motorcycle riders, textile. Tear strength	UNI EN ISO 4674-1:2017 Met. B + UNI EN 17092-3:2020 Par. 4.5
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 17092-3:2020 Par. 4.5
* 70630	Protective clothing for motorcycle riders. Restraint (two-piece suit)	UNI EN 17092-1:2020 Par. 5.5.3.1 + UNI EN 17092-3:2020 Par. 4.6.2
* 70631	Protective clothing for motorcycle riders. Restraint (sleeve)	UNI EN 17092-1:2020 Par. 5.5.3.2 + UNI EN 17092-3:2020 Par. 4.6.3
* 70632	Protective clothing for motorcycle riders. Determination of risk category zones	UNI EN 17092-1:2020 Par. 5.2 + UNI EN 17092-3:2020 Par. 4.7.1
* 70633	Protective clothing for motorcycle riders. Fit and ergonomics	UNI EN 17092-1:2020 Par. 5.6 + UNI EN 17092-3:2020 Par. 4.8

UNI EN 17092-4:2020 "Protective garments for motorcycle riders - Part 4: Class A garments - Requirements"

Code	Description	Methods
* 70625	Protective clothing for motorcycle riders. Dimensional stability of garments in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-4:2020 Par. 4.1.3
* 70626	Protective clothing for motorcycle riders. Dimensional stability of garments in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-4:2020 Par. 4.1.3
* 70627	Protective clothing for motorcycle riders. Impact protector location and fixation	UNI EN 17092-1:2020 Par. 5.5.2 + UNI EN 17092-4:2020 Par. 4.2
* 70628	Protective clothing for motorcycle riders. Determination of impact abrasion resistance (Darmstadt method)	UNI EN 17092-1:2020 Par. 5.4 + UNI EN 17092-4:2020 Par. 4.3
* 70629	Protective clothing for motorcycle riders. Resistance of seams: tensile strength	EN 13594:2015 Annex B + UNI EN 17092-4:2020 Par. 4.4.2
* 70635	Protective clothing for motorcycle riders, textile. Tear strength	UNI EN ISO 4674-1:2017 Met. B + UNI EN 17092-4:2020 Par. 4.5
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 17092-4:2020 Par. 4.5
* 70630	Protective clothing for motorcycle riders. Restraint (two-piece suit)	UNI EN 17092-1:2020 Par. 5.5.3.1 + UNI EN 17092-4:2020 Par. 4.6.2
* 70631	Protective clothing for motorcycle riders. Restraint (sleeve)	UNI EN 17092-1:2020 Par. 5.5.3.2 + UNI EN 17092-4:2020 Par. 4.6.3
* 70632	Protective clothing for motorcycle riders. Determination of risk category zones	UNI EN 17092-1:2020 Par. 5.2 + UNI EN 17092-4:2020 Par. 4.7.1
* 70633	Protective clothing for motorcycle riders. Fit and ergonomics	UNI EN 17092-1:2020 Par. 5.6 + UNI EN 17092-4:2020 Par. 4.8

UNI EN 17092-5:2020 "Protective garments for motorcycle riders - Part 5: Class B garments -

Requirements"

Code	Description	Methods
* 70625	Protective clothing for motorcycle riders. Dimensional stability of garments in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-5:2020 Par. 4.1.3
* 70626	Protective clothing for motorcycle riders. Dimensional stability of garments in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-5:2020 Par. 4.1.3
* 70628	Protective clothing for motorcycle riders. Determination of impact abrasion resistance (Darmstadt method)	UNI EN 17092-1:2020 Par. 5.4 + UNI EN 17092-5:2020 Par. 4.2
* 70629	Protective clothing for motorcycle riders. Resistance of seams: tensile strength	EN 13594:2015 Annex B + UNI EN 17092-5:2020 Par. 4.3.2
* 70635	Protective clothing for motorcycle riders, textile. Tear strength	UNI EN ISO 4674-1:2017 Met. B + UNI EN 17092-5:2020 Par. 4.4
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 17092-5:2020 Par. 4.4
* 70630	Protective clothing for motorcycle riders. Restraint (two-piece suit)	UNI EN 17092-1:2020 Par. 5.5.3.1 + UNI EN 17092-5:2020 Par. 4.5.2
* 70631	Protective clothing for motorcycle riders. Restraint (sleeve)	UNI EN 17092-1:2020 Par. 5.5.3.2 + UNI EN 17092-5:2020 Par. 4.5.3
* 70632	Protective clothing for motorcycle riders. Determination of risk category zones	UNI EN 17092-1:2020 Par. 5.2 + UNI EN 17092-5:2020 Par. 4.6.1
* 70633	Protective clothing for motorcycle riders. Fit and ergonomics	UNI EN 17092-1:2020 Par. 5.6 + UNI EN 17092-5:2020 Par. 4.7

UNI EN 17092-6:2020 "Protective garments for motorcycle riders - Part 6: Class C garments - Requirements"

Code	Description	Methods
* 70625	Protective clothing for motorcycle riders. Dimensional stability of garments in domestic washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-6:2020 Par. 4.1.3
* 70626	Protective clothing for motorcycle riders. Dimensional stability of garments in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 17092-6:2020 Par. 4.1.3
* 70627	Protective clothing for motorcycle riders. Impact protector location and fixation	UNI EN 17092-1:2020 Par. 5.5.2 + UNI EN 17092-6:2020 Par. 4.2
* 70628	Protective clothing for motorcycle riders. Determination of impact abrasion resistance (Darmstadt method)	UNI EN 17092-1:2020 Par. 5.4 + UNI EN 17092-6:2020 Par. 4.3
* 70629	Protective clothing for motorcycle riders. Resistance of seams: tensile strength	EN 13594:2015 Annex B + UNI EN 17092-6:2020 Par. 4.4.2
* 70635	Protective clothing for motorcycle riders, textile. Tear strength	UNI EN ISO 4674-1:2017 Met. B + UNI EN 17092-6:2020 Par. 4.5
70538	Protective clothing for motorcycle riders, leather. Tearing strength	UNI EN ISO 3377-1:2012 + UNI EN 17092-6:2020 Par. 4.5
* 70631	Protective clothing for motorcycle riders. Restraint (sleeve)	UNI EN 17092-1:2020 Par. 5.5.3.2 + UNI EN 17092-6:2020 Par. 4.6.3

* 70632	Protective clothing for motorcycle riders. Determination of risk category zones	UNI EN 17092-1:2020 Par. 5.2 + UNI EN 17092-6:2020 Par. 4.7.1
* 70633	Protective clothing for motorcycle riders. Fit and ergonomics	UNI EN 17092-1:2020 Par. 5.6 + UNI EN 17092-6:2020 Par. 4.8

Protective clothing against heat and flame

UNI EN ISO 14460:2003 "Protective clothing. Protection against heat and flame. Performance requirements and test methods"

Code	Description	Methods
* 70456	Protective clothing. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 14460:2003 Par. 5.5
* 70275	Protective clothing. Seam tensile strength. Strip method	UNI EN ISO 13935-1:2014 + UNI EN ISO 14460:2003 Par. 6.5
70452	Protective clothing. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + UNI EN ISO 14460:2003 Par. 6.2
70408	Protective clothing. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN ISO 14460:2003 Par. 6.1

PROTECTIVE GLOVES

UNI EN ISO 21420:2020 "Protective gloves - General requirements and test methods"

Code	Description	Methods
* 70810	Protective gloves. Glove design and construction - General	MIP 302:2004 Rev.0 + UNI EN ISO 21420:2020 Par. 4.1
70800	Protective gloves. Sizing	UNI EN ISO 21420:2020 Par. 6.1
70820	Protective gloves. Dexterity	UNI EN ISO 21420:2020 Par. 6.2
70491	Protective gloves, leather. Hexavalent chromium	UNI EN ISO 17075-1:2017 + UNI EN ISO 21420:2020 Par. 4.2 a)
* 70493	Protective gloves. Release of nickel	UNI EN 1811:2015 + UNI EN ISO 21420:2020 Par. 4.2 b)
70832	Protective gloves, leather. pH	UNI EN ISO 4045:2018 + UNI EN ISO 21420:2020 Par. 4.2 c)
70833	Protective gloves, textile. pH of aqueous extract	UNI EN ISO 3071:2020 + UNI EN ISO 21420:2020 Par. 4.2 c)
* 70494	Protective gloves, textile. Aromatic amines derived from azo colorants	UNI EN ISO 14362-1:2017 + UNI EN ISO 21420:2020 Par. 4.2 d)
* 70500	Protective gloves, textile. 4-aminoazobenzene from azocolorants	UNI EN ISO 17234-2:2011 + UNI EN ISO 21420:2020 Par. 4.2 d)
* 70495	Protective gloves, leather. Aromatic amines derived from azo colorants	UNI EN ISO 17234-1:2020 + UNI EN ISO 21420:2020 Par. 4.2 d)
* 70499	Protective gloves, leather. 4-aminoazobenzene from azocolorants	UNI EN ISO 17234-2:2011 + UNI EN ISO 21420:2020 Par. 4.2 d)
* 70496	Protective gloves. Dimethylformamide	UNI EN 16778:2016 + UNI EN ISO 21420:2020 Par. 4.2 e)
* 70497	Protective gloves. Polycyclic aromatic hydrocarbons (plastic or rubber components)	UNI CEN ISO/TS 16190:2021 + UNI EN ISO 21420:2020 Par. 4.2 f)
* 70293	Protective gloves, leather. Water vapour transmission	UNI EN ISO 14268:2012 + UNI EN ISO 21420:2020 Par. 5.3.1

* 70498	Protective gloves. Water vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4 + UNI EN ISO 21420:2020 Par. 5.3.1
* 70294	Protective gloves. Water vapour absorption	UNI EN ISO 20344:2012 Par. 6.7 + UNI EN ISO 21420:2020 Par. 5.3.2

PROTECTIVE GLOVES

UNI EN 388:2019 "Protective gloves against mechanical risk"

Code	Description	Methods
70840	Protective gloves. Abrasion resistance (Martindale)	UNI EN 388:2019 Par. 6.1
70545	Protective gloves. Blade-cut resistance	UNI EN 388:2019 Par. 6.2
* 70551	Protective gloves. Cut resistance	UNI EN ISO 13997:2001 + UNI EN 388:2019 Par. 6.3
70845	Protective gloves. Tear resistance	UNI EN 388:2019 Par. 6.4
70541	Protective gloves. Puncture resistance	UNI EN 388:2019 Par. 6.5
* 70552	Protective gloves. Impact test	UNI EN 13594:2015 Par. 6.9 + UNI EN 388:2019 Par. 6.6

PROTECTIVE GLOVES

UNI EN 407:2004 "Protective gloves against thermal risks (heat and/or fire)"

Code	Description	Methods
70840	Protective gloves. Abrasion resistance (Martindale)	UNI EN 388:2019 Par. 6.1 + UNI EN 407:2004 Par. 4.3
70845	Protective gloves. Tear resistance	UNI EN 388:2019 Par. 6.4 + UNI EN 407:2004 Par. 4.4
70462	Protective gloves. Contact heat	UNI EN ISO 12127-1:2016 + UNI EN 407:2004 Par.6.4
70451	Protective gloves. Heat transmission on exposure to a flame	UNI EN 367:1993 + UNI EN 407:2004 Par. 6.5
70453	Protective gloves. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met. B + UNI EN 407:2004 Par. 6.6
* 70472	Protective gloves. Molten metal small splashes	UNI EN 348:1993 + UNI EN 407:2004 Par. 6.7
* 70481	Protective gloves. Molten metal big splashes	UNI EN ISO 9185:2008+ UNI EN 407:2004 Par. 6.8
70412	Protective gloves. Burning behaviour	UNI EN ISO 6941:2004 + UNI EN 407:2004 Par. 6.3

PROTECTIVE GLOVES

UNI EN 407:2020 "Protective gloves and other hand protective equipments against thermal risks (heat and/or fire)"

Code	Description	Methods
* 70487	Protective gloves. Removal time (after dry conditioning)	UNI EN 407:2020 Par. 4.4.1 + UNI EN 659:2008 Par. 3.15 + EC 1-2009
* 70488	Protective gloves. Removal time (after wet conditioning)	UNI EN 407:2020 Par. 4.4.1 + UNI EN 659:2008 Par. 3.15 + EC 1-2009
* 70489	Protective gloves. Minimal length	UNI EN 407:2020 Par. 4.4.1
* 70556	Protective gloves. Hand protective equipment dimensions	UNI EN 407:2020 Par. 4.4.2
* 70473	Protective gloves. Limited flame spread	UNI EN ISO 15025:2017 Met. B + UNI EN 407:2020 Par. 6.2

* 70642	Protective gloves. Limited flame spread	UNI EN ISO 15025:2017 Met. A + UNI EN 407:2020 Par. 6.2
70462	Protective gloves. Contact heat	UNI EN ISO 12127-1:2016 + UNI EN 407:2020 Par. 6.3
70451	Protective gloves. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + UNI EN 407:2020 Par. 6.4
70453	Protective gloves. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met.B + UNI EN 407:2020 Par. 6.5
* 70472	Protective gloves. Molten metal small splashes	UNI EN 348:1993 + UNI EN 407:2020 Par. 6.6
* 70481	Protective gloves. Molten metal big splashes	UNI EN ISO 9185:2008 + UNI EN 407:2020 Par. 6.7
* 70557	Protective gloves. Tear resistance	UNI EN 407:2020 Par. 6.8

PROTECTIVE GLOVES

UNI EN 12477:2006 "Protective gloves for welders"

Code	Description	Methods
* 70834	Protective gloves. Control of ergonomic requirements	UNI EN 12477:2006 Par. 3.2
* 70476	Protective gloves. Abrasion (Martindale)	UNI EN 388:2004 Par. 6.1 + UNI EN 12477:2006 Par. 5.1
* 70477	Protective gloves. Blade-cut	UNI EN 388:2004 Par. 6.2 + UNI EN 12477:2006 Par. 5.2
70845	Protective gloves. Tear resistance	UNI EN 388:2019 Par. 6.4 + UNI EN 12477:2006 Par. 5.3
70541	Protective gloves. Puncture resistance	UNI EN 388:2019 Par. 6.5 + UNI EN 12477:2006 Par. 5.4
70412	Protective gloves. Burning behaviour	UNI EN 407:2004 Par. 6.3 + UNI EN ISO 6941:2004 + UNI EN 12477:2006 Par. 5.5
70617	Protective gloves. Vertical electrical resistance	UNI EN 1149-2:1999 + UNI EN 12477:2006 Par. 5.10
70462	Protective gloves. Contact heat	UNI EN ISO 12127-1:2016 + UNI EN 12477:2006 Par. 5.6
70451	Protective gloves. Heat transmission on exposure to a flame	UNI EN 367:1993 + UNI EN 12477:2006 Par. 5.7
* 70472	Protective gloves. Molten metal small splashes	UNI EN 348:1993 + UNI EN 12477:2006 Par. 5.8

PROTECTIVE GLOVES

UNI EN 659:2008 + EC 1-2009 "Protective gloves for firefighters"

Code	Description	Methods
* 70836	Protective gloves. Control of ergonomic requirements	UNI EN 659:2008 Par. 3.2
70840	Protective gloves. Abrasion resistance (Martindale)	UNI EN 388:2019 Par. 6.1 + UNI EN 659:2008 Par. 3.3 + EC 1-2009
70545	Protective gloves. Blade-cut resistance	UNI EN 388:2019 Par. 6.2 + UNI EN 659:2008 Par. 3.4 + EC 1-2009
70845	Protective gloves. Tear resistance	UNI EN 388:2019 Par. 6.4 + UNI EN 659:2008 Par. 3.5 + EC 1-2009
70541	Protective gloves. Puncture resistance	UNI EN 388:2019 Par. 6.5 + UNI EN 659:2008 Par. 3.6 + EC 1-2009

70465	Protective gloves. Contact heat (after dry and wet conditioning)	UNI EN ISO 12127-1:2016 + UNI EN 659:2008 Par. 3.10 + EC 1-2009
70446	Protective gloves. Resistance to heat. Dimensional changes and changes appearance to heat	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN 659:2008 Par. 3.11 + EC 1-2009
70341	Protective gloves. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + UNI EN 659:2008 Par. 3.14 + EC 1-2009
* 70296	Protective gloves. Leather. Resistance to water penetration	UNI EN 344:1994 + UNI EN 659:2008 Par. 3.16 + EC 1-2009
70292	Protective gloves. Test of resistance to water penetration. Increasing hydrostatic pressure	UNI EN ISO 811:2018 + UNI EN 659:2008 Par. 3.16 + EC 1-2009
70825	Protective gloves. Glove integrity test	ISO 15383:2001 Annex A + UNI EN 659:2008 Par. 3.17 + EC 1-2009
70507	Protective gloves. Penetration by liquids	UNI EN ISO 6530:2005 + UNI EN 659:2008 Par. 3.18 + EC 1-2009
70821	Protective gloves. Removal time (after dry and wet conditioning)	UNI EN 659:2008 Par. 3.15 + EC 1-2009
70451	Protective gloves. Heat transmission on exposure to a flame	UNI EN 367:1993 + UNI EN 659:2008 Par. 3.8 + EC 1-2009
70453	Protective gloves. Exposition to a source of radiant heat	UNI EN ISO 6942:2004 Met.B + UNI EN 659:2008 Par. 3.9 + EC 1-2009
70412	Protective gloves. Burning behaviour	UNI EN 407:2004 Par. 6.3 + UNI EN ISO 6941:2004 + UNI EN 659:2008 Par. 3.7 + EC 1-2009

PROTECTIVE GLOVES

UNI EN ISO 374-1:2018 "Protective gloves against dangerous chemicals and micro-organisms - Part 1 chemical risks"

Code	Description	Methods
70842	Protective gloves. Determination of resistance to penetration by water	UNI EN ISO 374-2:2020 Par. 7.3 + UNI EN ISO 374-1:2018 Par. 5.2
70841	Protective gloves. Determination of resistance to penetration by air	UNI EN ISO 374-2:2020 Par. 7.2 + UNI EN ISO 374-1:2018 Par. 5.2
* 70875	Protective gloves. Determination of resistance to degradation	UNI EN ISO 374-4:2020 + UNI EN ISO 374-1:2018 Par. 5.3
* 70873	Protective gloves. Determination of resistance to degradation	UNI EN ISO 374-4:2020 + UNI EN ISO 374-1:2018 Par. 5.3
* 70829	Protective gloves. Determination of resistance to permeation by chemicals	UNI EN 16523-1:2019 + UNI EN ISO 374-1:2018 Par. 5.4
* 70843	Protective gloves. Determination of resistance to permeation by chemicals	UNI EN 16523-1:2019 + UNI EN ISO 374-1:2018 Par. 5.4

PROTECTIVE GLOVES

UNI EN ISO 374-5:2017 "Protective gloves against dangerous chemicals and micro-organisms - Part 5 micro-organisms risks"

Code	Description	Methods
* 90113	Protective gloves. Protection against viruses	ISO 16604:2004 Procedure B + UNI EN ISO 374-5:2017 Par. 5.3
70842	Protective gloves. Determination of resistance to penetration by water	UNI EN 374-2:2015 Par. 7.3 + UNI EN ISO 374-5:2017 Par. 5.2

70841	Protective gloves. Determination of resistance to penetration by air	UNI EN 374-2:2015 Par. 7.2 + UNI EN ISO 374-5:2017 Par. 5.2
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PROTECTIVE GLOVES

UNI EN 511:2006 "Protective gloves against cold"

Code	Description	Methods
70840	Protective gloves. Abrasion resistance (Martindale)	UNI EN 388:2019 Par. 6.1 + UNI EN 511:2006 Par. 4.1
70845	Protective gloves. Tear resistance	UNI EN 388:2019 Par. 6.4 + UNI EN 511:2006 Par. 4.1
* 70844	Protective gloves. Bending behavior	UNI EN ISO 7854:1999 Met. A + UNI EN 511:2006 Par. 5.2
70825	Protective gloves. Glove integrity test	ISO 15383:2001 Annex A + UNI EN 511:2006 Par. 5.3
* 70846	Protective gloves. Low-temperature bend test	ISO 4675:2017 + UNI EN 511:2006 Par. 5.4
* 70847	Protective gloves. Convective cold	UNI EN 511:2006 Par. 5.5 + Appendix A
* 70848	Protective gloves. Contact cold	ISO 5085-1:1989 + UNI EN 511:2006 Par. 5.6

PROTECTIVE GLOVES

UNI EN 16350:2014 "Protective gloves. Electrostatic properties"

Code	Description	Methods
* 70634	Protective gloves. Control of design requirements	UNI EN 16350:2014 Par. 4.2.2
* 70619	Protective gloves. Conditioning	UNI EN 16350:2014 Par. 5.3
* 70620	Protective gloves. Vertical electrical resistance	UNI EN 1149-2:1997 + UNI EN 16350:2014 Par. 5.5

PROTECTIVE GLOVES FOR MOTORCYCLE RIDERS

UNI EN 13594:2015 "Requirements and test methods"

Code	Description	Methods
70850	Protective gloves for motorcycle riders, leather. pH	UNI EN ISO 4045:2018 + UNI EN 420:2010 Par. 4.3.2 + UNI EN 13594:2015 Par. 4.2
* 70866	Protective gloves for motorcycle riders. Control of ergonomic requirements	UNI EN 13594:2015 Par. 4.5
70851	Protective gloves for motorcycle riders, leather. Hexavalent chromium	UNI EN ISO 17075-1:2017 + UNI EN 420:2010 Par. 4.3.3 + UNI EN 13594:2015 Par. 4.2
* 70852	Protective gloves for motorcycle riders. Ergonomic requirements	UNI EN 13594:2015 Par. 4.4
70853	Protective gloves for motorcycle riders. Size	UNI EN 420:2010 Par. 5.1 + UNI EN 13594:2015 Par. 6.4
70854	Protective gloves for motorcycle riders. Retention system effectiveness	UNI EN 13594:2015 Par. 6.5
70855	Protective gloves for motorcycle riders. Tear resistance	UNI EN 388:2019 Par. 6.4 + UNI EN 13594:2015 Par. 6.6
70856	Protective gloves for motorcycle riders. Resistance of seams: tensile strength	UNI EN 13594:2015 Par. 6.7
70857	Protective gloves for motorcycle riders. Blade-cut resistance	UNI EN 388:2019 Par. 6.2 + UNI EN 13594:2015 Par. 4.9
70858	Protective gloves for motorcycle riders. Test method for determination of impact abrasion resistance	UNI EN 13595-2:2004 + UNI EN 13594:2015 Par. 6.8



70864

Protective gloves for motorcycle riders. Impact attenuation

UNI EN 1621-1:2013 Par. 5.4 + UNI EN
13594:2015 Par. 6.9

PROTECTIVE CLOTHING FOR DRIVERS

Homologation procedure CIK-FIA N2013-1 edition 12th February 2019

Code	Description	Methods
* 70900	Protective clothing for drivers. Garment zoning	CIK-FIA N2013-1:2019 Par. 2.4.2.1
* 70901	Protective clothing for drivers. Design requirements	CIK-FIA N2013-1:2019 Par. 2.4.2.3 and 2.4.9
* 70902	Protective clothing for drivers. Comfort evaluation	CIK-FIA N2013-1:2019 Par. 2.4.10
* 70903	Protective clothing for drivers. Size	UNI EN 340:2004 Par. 6 + CIK-FIA N2013-1:2019 Par. 2.4.8
70904	Protective clothing for drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + UNI EN 340:2004 Par. 5.4 + CIK-FIA N2013-1:2019 Par. 2.4.2.2
70905	Protective clothing for drivers. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 340:2004 Par. 5.3 + CIK-FIA N2013-1:2019 Par. 2.4.2.2
70906	Protective clothing for drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + CIK-FIA N2013-1:2019 Par. 2.4.2.2
70907	Protective clothing for drivers. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + UNI EN 340:2004 Par. 5.3 + CIK-FIA N2013-1:2019 Par. 2.4.2.2
* 70908	Protective clothing for drivers, leather. Tearing strength	UNI EN ISO 3377-2:2016 + CIK-FIA N2013-1:2019 Par. 2.4.3
70909	Protective clothing for drivers. Tearing strength. Double-teared method	UNI EN ISO 13937-4:2002 + EC 1-2004 + CIK-FIA N2013-1:2019 Par. 2.4.3
70910	Protective clothing for drivers. Impact abrasion resistance	UNI EN 13595-2:2004 + CIK-FIA N2013-1:2019 Par. 2.4.4
70911	Protective clothing for drivers. Seam tensile properties. Grab method	UNI EN ISO 13935-2:2014 + CIK-FIA N2013-1:2019 Par. 2.4.5
70912	Protective clothing for drivers. Contact heat transmission	UNI EN ISO 12127-1:2016 + CIK-FIA N2013-1:2019 Par. 2.4.6
70913	Protective clothing for drivers, leather. pH	UNI EN ISO 4045:2008 + CIK-FIA N2013-1:2019 Par. 2.4.7.1
70914	Protective clothing for drivers, textile. pH of aqueous extract	UNI EN ISO 3071:2020 + CIK-FIA N2013-1:2019 Par. 2.4.7.1
70915	Protective clothing for drivers, leather. Aromatic amines derived from azocolorants	UNI EN ISO 17234-1:2020 + CIK-FIA N2013-1:2019 Par. 2.4.7.2
70916	Protective clothing for drivers, leather. 4-aminoazobenzene from azocolorants	UNI EN ISO 17234-2:2011 + CIK-FIA N2013-1:2019 Par. 2.4.7.2
70923	Protective clothing for drivers, textile. Aromatic amines derived from azocolorants	UNI EN ISO 14362-1:2017 + CIK-FIA N2013-1:2019 Par. 2.4.7.2
* 71103	Protective clothing for drivers, textile. 4-aminoazobenzene from azocolorants	UNI EN ISO 14362-3:2017 + CIK-FIA N2013-1:2019 Par. 2.4.7.2
70918	Protective clothing for drivers, leather. Chromium hexavalent	UNI EN ISO 17075-1:2017 + CIK-FIA N2013-1:2019 Par. 2.4.7.3
70919	Protective clothing for drivers. Release of nickel	UNI EN 1811:2015 + CIK-FIA N2013-1:2019 Par. 2.4.7.4
70983	Protective clothing for drivers. Simulation of wear and corrosion on coating	UNI EN 1811:2015 + UNI EN 12472:2021 + CIK-FIA N2013-1:2019 Par. 2.4.7.4

70920	Protective clothing for drivers. Colour fastness to perspiration	UNI EN ISO 105-E04:2013 + CIK-FIA N2013-1:2019 Par. 2.4.7.5
70921	Protective clothing for drivers, leather. Colour fastness to perspiration	UNI EN ISO 11641:2013 + CIK-FIA N2013-1:2019 Par. 2.4.7.5
70925	Assessment Report FIA	

Standard FIA 8856-2018 Overall for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70935	Protective overall for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.1
70943	Protective overall for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70941	Protective overall for automobile drivers. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + FIA 8856-2018 Par. A-8
70945	Protective overall for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70942	Protective overall for automobile drivers. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + FIA 8856-2018 Par. A-8
70944	Protective overall for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70946	Protective overall for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70947	Protective overall for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70936	Protective overall for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70937	Protective overall for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-2
70938	Protective overall for automobile drivers. Mechanical resistance after exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-4
70939	Protective overall for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
70940	Protective overall for automobile drivers. Seam tensile strength. Grab method	UNI EN ISO 13935-2:2014 + FIA 8856-2018 Par. A-6
71128	Protective overall for automobile drivers. Tensile strength of shoulder handles. Grab method	UNI EN ISO 13935-2:2014 + FIA 8856-2018 Par. A-7
70925	Assessment Report FIA	

Standard FIA 8856-2018 Undergarments for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70949	Protective undergarments for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.2
70952	Protective undergarments for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70953	Protective undergarments for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2

70954	Protective undergarments for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70950	Protective undergarments for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70951	Protective undergarments for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
71129	Protective undergarments for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-3
70925	Assessment Report FIA	

Standard FIA 8856-2018 Balaclava hood for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70956	Protective balaclava hood for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.3
* 71131	Protective balaclava hood for automobile drivers. Control of ergonomic requirements for balaclava with helmet extraction system	FIA 8856-2018 Par. 4.9
70959	Protective balaclava hood for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70960	Protective balaclava hood for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70961	Protective balaclava hood for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70957	Protective balaclava hood for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70958	Protective balaclava hood for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
71113	Protective balaclava hood for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-2
71115	Protective balaclava hood for automobile drivers. Convective heat	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + FIA 8856-2018 Par. A-9
70925	Assessment Report FIA	

Standard FIA 8856-2018 Socks for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70963	Protective socks for automobile drivers. Control of ergonomic requirements	FIA 8868-2018 Par. 4.4
70966	Protective socks for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70967	Protective socks for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70968	Protective socks for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70964	Protective socks for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70965	Protective socks for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5

70969	Protective socks for automobile drivers. Mass per unit area. Small sample method	UNI EN 12127:1999 + FIA 8856-2018 Par. 4.4
71116	Protective socks for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-2
70925	Assessment Report FIA	

Standard FIA 8856-2018 Shoes for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70970	Protective shoes for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.5
70973	Protective shoes for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70974	Protective shoes for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70975	Protective shoes for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70971	Protective shoes for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70972	Protective shoes for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
71117	Protective shoes for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-2
70925	Assessment Report FIA	

Standard FIA 8856-2018 Rain-proof overgarments for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70976	Protective rain-proof overgarments for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.6
70979	Protective rain-proof overgarments for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70980	Protective rain-proof overgarments for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70981	Protective rain-proof overgarments for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70977	Protective rain-proof overgarments for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70978	Protective rain-proof overgarments for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
70925	Assessment Report FIA	

Standard FIA 8856-2018 Protective cooling undergarments for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 71118	Protective cooling undergarments for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.8
71119	Protective cooling undergarments for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2



71122	Protective cooling undergarments for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
71123	Protective cooling undergarments for automobile drivers. Domestic washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
71124	Protective cooling undergarments for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
71125	Protective cooling undergarments for automobile drivers. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-5
71126	Protective cooling undergarments for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-3
71127	Protective cooling undergarments for automobile drivers. Convective heat resistance	ISO 17493:2016 (except 8.3 and 8.4) + UNI EN ISO 3759:2011 + FIA 8856-2018 Par. A-9
70925	Assessment Report FIA	

PROTECTIVE GLOVES FOR AUTOMOBILE DRIVERS

Standard FIA 8856-2018 Protective gloves for automobile drivers

Code	Description	Methods
70948	Shipping samples/reports	
* 70926	Protective gloves for automobile drivers. Control of ergonomic requirements	FIA 8856-2018 Par. 4.7
* 70927	Protective gloves for automobile drivers. Positioning parts in leather	FIA 8856-2018 Appendix E
70928	Protective gloves for automobile drivers. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8856-2018 Par. A-1.2
70929	Protective gloves for automobile drivers. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
70982	Protective gloves for automobile drivers. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8856-2018 Par. A-1.2
* 70930	Protective gloves for automobile drivers, leather. Thickness	ISO 2589:2016 + FIA 8856-2018 Par. 4.7.2
70931	Protective gloves for automobile drivers. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8856-2018 Par. A-1
70932	Protective gloves for automobile drivers, seams fingers. Limited flame spread	UNI EN ISO 6941:2004 + UNI EN 407:2004 Par. 6.3 + FIA 8856-2018 Par. A-10
70933	Protective gloves for automobile drivers. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-2
70934	Protective gloves for automobile drivers. Mechanical resistance after exposure to a flame	UNI EN ISO 9151:2017 + FIA 8856-2018 Par. A-4
70925	Assessment Report FIA	

PROTECTIVE CLOTHING FOR MECHANICS

Standard FIA 8867-2016 Protective clothing for mechanics

Code	Description	Methods
70948	Shipping samples/reports	
* 70899	Protective clothing for mechanics. Control of ergonomic requirements	FIA 8867-2016 Par. 4.2
70984	Protective clothing for mechanics. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8867-2016 Appendix A Par. A-1.2
70985	Protective clothing for mechanics. Dimensional change in domestic wet washing and drying	UNI EN ISO 6330:2022 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + FIA 8867-2016 Par. 6.6
70986	Protective clothing for mechanics. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8867-2016 Appendix A Par. A-1.2
70987	Protective clothing for mechanics. Dimensional change in dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + UNI EN ISO 3759:2011 + UNI EN ISO 5077:2008 + FIA 8867-2016 Appendix A Par. 6.6
70988	Protective clothing for mechanics. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8867-2016 Appendix A Par. A-1.2
70989	Protective clothing for mechanics. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8867-2016 Appendix A Par. A-1.2
70990	Protective clothing for mechanics. Washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8867-2016 Appendix A Par. A-1.2
70991	Protective clothing for mechanics. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8867-2016 Par. 6.1
70992	Protective clothing for mechanics. Heat transmission on exposure to a flame	UNI EN ISO 9151:2017 + FIA 8867-2016 Par. 6.2
70993	Protective clothing for mechanics. Mechanical resistance after exposure to a flame	UNI EN ISO 9151:2017 + FIA 8867-2016 Par. 6.3
70994	Protective clothing for mechanics. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8867-2016 Par. 6.4
70995	Protective clothing for mechanics. Seam tensile strength. Strip method	UNI EN ISO 13935-1:2014 + FIA 8867-2016 Par. 6.5
70925	Assessment Report FIA	

BIOMETRIC DEVICE

Standard FIA 8868-2018 Biometric device

Code	Description	Methods
70948	Shipping samples/reports	
* 72000	Biometric device. Control of general design requirements	FIA 8868-2018 Par. 4.2
* 72001	Biometric device. Control of ergonomic requirements for sensors	FIA 8868-2018 Par. 4.4
* 72002	Biometric device. Control of ergonomic requirements for the electronic unit case	FIA 8868-2018 Par. 4.5
* 72003	Biometric device. Control of ergonomic requirements for the electronic control unit	FIA 8868-2018 Par. 4.6
* 72004	Biometric device. Control of ergonomic requirements for connectors	FIA 8868-2018 Par. 4.7
* 72005	Biometric device. Control of ergonomic requirements for cables	FIA 8868-2018 Par. 4.7
72006	Biometric device. Domestic washing and dry cleaning	UNI EN ISO 6330:2022 + UNI EN ISO 3175-2:2018 + EC 1:2020 + FIA 8868-2018 Appendix A Par. A-1.2
72007	Biometric device. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022 + FIA 8868-2018 Appendix A Par. A-1.2
72008	Biometric device. Limited flame spread	UNI EN ISO 15025:2017 Met. A + FIA 8868-2018 Appendix A Par. A-1.3
72009	Biometric device. Risk of explosion	UNI EN ISO 9151:2017 + FIA 8868-2018 Appendix A Par. A-2
72010	Biometric device. Limited flame spread on seams	UNI EN ISO 15025:2017 Met. A + FIA 8868-2018 Appendix A Par. A-3
72011	Biometric device. Convective heat resistance	ISO 17493:2016 (except 8.3 and 8.4) + FIA 8868-2018 Appendix A Par. A-4
* 72012	Biometric device. Crush test	FIA 8868-2018 Appendix A Par. A-5
* 72013	Biometric device. Degrees of protection provided by enclosures (IP code)	CEI EN 60529:1997 + A1:2000 + A2:2014 + EC 2017-03 + EC 2017-05 + FIA 8868-2018 Par. 4.5
70925	Assessment Report FIA	

COMFORT TESTS

General Costs

Code	Description	Methods
70888	Technical evaluation	

Tests

Code	Description	Methods
13100	Textiles. Identification of fibres in textiles	Reg UE N 1007/2011 + ISO/TR 11827:2012
14170	Textiles. Quantitative analysis of binary blends of textile fibres	Reg UE N 1007/2011, UNI EN ISO 1833:2011 parts 5, 8, 19, 24 (except 2); UNI EN ISO 1833:2017 parts 4, 7, 11; UNI EN ISO 1833:2019 parts 3, 6, 9, 10, 13, 14, 15, 16, 18, 20, 21; UNI EN ISO 1833:2020 parts 1, 12, 17, 25, 26; UNI EN ISO 1833:2021 part 22
14180	Textiles. Quantitative analysis of ternary blends of textile fibres	Reg UE N 1007/2011, UNI EN ISO 1833:2011 parts 5, 8, 19, 24; UNI EN ISO 1833:2013 part 22; UNI EN ISO 1833:2017 parts 4, 7, 11; UNI EN ISO 1833:2019 parts 3, 6, 9, 10, 13, 14, 15, 16, 18, 20, 21; UNI EN ISO 1833:2020 parts 1, 2, 12, 17, 25, 26
* 14190	Textiles. Quantitative analysis of blends of four textile fibres	MIP 258:2008 Rev.0
* 14191	Textiles. Quantitative analysis of blends of five textile fibres	MIP 258:2008 Rev.0
* 14210	Textiles. Quantitative analysis of blends of six textile fibres	MIP 258:2008 Rev.0
* 14215	Textiles. Quantitative analysis of blends of seven textile fibres	MIP 258:2008 Rev.0
* 14151	Textiles. Quantitative analysis of binary and ternary blends of textile fibres. Microscope method	MIP 258:2008 Rev.0
14123	Fabrics. Mass per unit area. Small sample method	UNI EN 12127:1999
35155	Textiles. Domestic washing and drying for textile testing	UNI EN ISO 6330:2022
35156	Textiles. Dry cleaning	UNI EN ISO 3175-2:2018 + EC 1:2020
70593	Textiles. Water-vapour resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.4
70607	Textiles. Thermal resistance (Skin Model)	UNI EN ISO 11092:2014 Par. 7.3
* 70591	Fabrics. Drying time (Skin Model)	MIP 320:2008 Rev.0 AATCC 201-2014
* 70592	Fabrics. Absorption and release index, buffering (Skin Model)	MIP 321:2008 Rev.0 CEN/TR 16422:2012 Annex B
* 70601	Fabrics. Determination of surface friction force	MIP 322:2008 Rev.0
* 70602	Fabrics. Surface hairiness grade	MIP 323:2011 Rev.0
* 70603	Fabrics. Water absorption time	MIP 324:2011 Rev.0
* 70604	Fabrics. Bending angle	MIP 325:2011 Rev.0
* 70609	Textiles. Liquid moisture management properties (MMT)	AATCC TM195 2011e2(2017)e3
* 70639	Textiles. Determination of moisture drying rate	ISO 17617 (Method B)
* 70623	Textiles. Determination of thermal conductivity and thermal diffusivity (hot disc method)	ISO 22007-2:2015
* 70624	Textiles. Determination of surface resistivity	JIS K 7194:1994
* 70610	Thermic mannikine	UNI EN ISO 15831:2005
* 70640	Textile. Hand and Skin Touch comfort, FTT (Fabric Touch Tester)	MIP 347:2020 Rev.0
* 70641	Textiles. Noise attenuation (soundproofing)	MIP 352:2021 Rev. 0
* 70622	Thermography	

UV STANDARD 801 LABEL

General costs

Code	Description	Methods
70099	Certificate issuing	
70096	Certificate issuing	
70098	Certificate duplicate	
70097	Certificate extension	
70996	Translation of certificate into English or French	

Tests

A category: apparel and fabrics for apparel

Code	Description	Methods
* 70094	Preliminary screening	UV STANDARD 801:2021
* 70095	Preliminary test	UV STANDARD 801:2021
* 70101	Apparel and fabrics for apparel. Determination of UPF with treatment	UV STANDARD 801:2021
* 70111	Apparel and fabrics for apparel. Determination of UPF with treatment	UV STANDARD 801:2021
* 70121	Apparel and fabrics for apparel. Determination of UPF with treatment	UV STANDARD 801:2021
* 70131	Apparel and fabrics for apparel. Determination of UPF with treatment	UV STANDARD 801:2021

B category: fabrics for external use

Code	Description	Methods
* 70094	Preliminary screening	UV STANDARD 801:2021
* 70095	Preliminary test	UV STANDARD 801:2021
* 70102	Fabrics for external use. Determination of UPF with treatment	UV STANDARD 801:2021
* 70112	Fabrics for external use. Determination of UPF with treatment	UV STANDARD 801:2021
* 70122	Fabrics for external use. Determination of UPF with treatment	UV STANDARD 801:2021
* 70132	Fabrics for external use. Determination of UPF with treatment	UV STANDARD 801:2021

LAT CALIBRATION CENTRE

Spectrophotometer calibration

Code	Description	Methods
30200	Calibration in one of the following geometries: 45°/0°, t/8°, d/8°, for measurement of the reflectance factor	PdT LAT 05:2019 Rev.6 PdT LAT 06:2020 Rev.8
30250	Calibration in one of the following geometries: 45°/0°, t/8°, d/8°, for measurement of the reflectance factor and the colorimetric data	PdT LAT 05:2019 Rev.6 PdT LAT 06:2020 Rev.8

Calibration of reference samples or ceramic tiles

Code	Description	Methods
30300	Measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7 PdT LAT 04:2021 Rev.8
30350	Measurement of the reflectance factor and the colorimetric data in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7 PdT LAT 04:2021 Rev.8

From 2nd to 11th measurement (more geometries or more tiles)

Code	Description	Methods
30302	Measurement of the reflectance factor	PdT LAT 03:2021 Rev.7 PdT LAT 04:2021 Rev.8
30352	Measurement of the reflectance factor and the colorimetric data	PdT LAT 03:2021 Rev.7 PdT LAT 04:2021 Rev.8

Calibration set of ceramic tiles

Code	Description	Methods
30501	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30502	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor in two of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30503	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor in all the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30551	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor and the colorimetric data in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30552	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor and the colorimetric data in two of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30553	Calibration of a set of ceramic colour standards (12 tiles) for measurement of the reflectance factor and the colorimetric data in all the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7

Supply and calibration of ceramic tiles

Code	Description	Methods
30601	Set of glossy ceramic colour standards C.C.S. II (12 tiles) for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30611	Set of matt ceramic colour standards C.C.S. II (12 tiles) for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30621	White or black tile with glossy surface for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30631	White or black tile with matt surface for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30681	Single colour tile with glossy surface for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7



30701	Set of glossy ceramic colour standards C.C.S. II (12 tiles) for measurement of the reflectance factor and the colorimetric data in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30711	Set of matt ceramic colour standards C.C.S. II (12 tiles) for measurement of the reflectance factor and the colorimetric data in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30721	White or black tile with glossy surface for measurement of the reflectance factor and the colorimetric data in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30731	White or black tile with matt surface for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7
30781	Single colour tile with glossy surface for measurement of the reflectance factor in one of the following geometries: d/8°, t/8°, 45°/0°	PdT LAT 03:2021 Rev.7

CALIBRATION

Code	Description	Methods
* 40001	Millimeter ruler, tape measures (up to 50 m)	PdT 013:2008 Rev.1
* 40002	Meter counter	PdT 070:2008 Rev.0
* 40003	Tachometer	PdT 038:2008 Rev.1
* 40004	Lenses	PdT 006:2016 Rev.2
* 40005	Sample cutters	PdT 006:2016 Rev.2
* 40006	Fabric piece lenght (up to 150 m)	UNI EN 1773:1998
* 40007	Fabric piece lenght (up to 40 m)	UNI EN 1773:1998
* 40008	Calibrator (until 500 mm)	PdT 033:2008 Rev.1
* 40009	Micrometers	PdT 072:2008 Rev.0
* 40010	Comparators	PdT 017:2008 Rev.1
* 40011	Feeler gauge	PdT 006:2016 Rev.2
* 40012	Tensorapid calibration bars	PdT 006:2016 Rev.2
* 40013	Precision balances (up to 5 kg)	PdT 002:2008 Rev.2
* 40014	Precision balances (up to 30 kg)	PdT 002:2008 Rev.2
* 40015	Precision balances (up to 300 kg)	PdT 002:2008 Rev.2
* 40017	Romana balance	PdT 073:2004 Rev.0
* 40018	Single mass (up to 10 masses)	PdT 014:2016 Rev.2
* 40019	Single mass (more than 10 masses)	PdT 014:2016 Rev.2
* 40020	Tensorapid calibration masses (a couple of 1 and 2 N)	PdT 014:2016 Rev.2
* 40021	Tensorapid calibration masses (complete serie)	PdT 014:2016 Rev.2
* 40022	Hoffmann's Press	PdT 074:2016 Rev.1
* 40023	Thermometers or thermocouples	PdT 036:2016 Rev.5
* 40024	Thermo-hygrographs	PdT 039:2016 Rev.1
* 40025	Igrometer yarn cones	PdT 075:2008 Rev.0
* 40026	Psychrometers	PdT 008:2016 Rev.3
* 40027	Environmental condition detector	PdT 008:2016 Rev.3
* 40028	Ovens-muffles	PdT 011:2016 Rev.6
* 40029	Thermostatic water baths	PdT 011:2016 Rev.6
* 40030	Conditioning ovens	PdT 003:2016 Rev.2
* 40031	Spray test	PdT 006:2016 Rev.2
* 40032	Twist tester	PdT 021:2008 Rev.2
* 40033	Warp reel	PdT 004:2008 Rev.1
* 40034	Warp reel with yarn tensioning device	PdT 004:2008 Rev.1
* 40035	Planofil (Black Table)	PdT 035:2008 Rev.1
* 40036	Water column (up to 20m)	PdT 026:2016 Rev.4
* 40037	Washing machines	PdT 032:2016 Rev.4
* 40038	Wascator	PdT 032:2016 Rev.4
* 40039	Tumbler	PdT 032:2016 Rev.4
* 40040	Crockmeter	PdT 028:2016 Rev.2
* 40041	Tensionmeter	PdT 005:2008 Rev.1
* 40042	Abrasion tester Martindale	PdT 009:2016 Rev.4
* 40043	Abrasion tester Cesconi	PdT 077:2016 Rev.1
* 40045	Perspirometers	PdT 022:2016 Rev.2
* 40046	Strength tester (up to 10000 daN)	PdT 016:2016 Rev.3
* 40047	Strength tester Uster Tensorapid	PdT 029:2008 Rev.2
* 40048	Crimptester	PdT 007:2008 Rev.1
* 40049	pH-meters	PdT 078:2008 Rev.0



* 40050	Densimeters	PdT 079:2016 Rev.1
* 40051	Oil extractors - Wira	PdT 037:2016 Rev.1
* 40052	Chronometers	PdT 030:2008 Rev.1
* 40053	Grey scale for assessing fastness	PdT 027:2020 Rev. 2
* 40054	Grey scale for assessing staining	PdT 027:2020 Rev. 2
* 40055	Micropipette	PdT 020:2016 Rev.6
* 40056	Manometers (up to 40 bar)	PdT 031:2016 Rev.3
* 40057	Capillary Viscosimeter	PdT 034:2016 Rev.2
* 40058	Object-micrometers	PdT 013:2008 Rev.1
* 40059	Rameuse (temperature probes)	PdT 031:2016 Rev.3 PdT 036:2016 Rev.5
* 40060	Preparation machines, dyeing machine, washing machines (temperature probes and manometers)	PdT 031:2016 Rev.3 PdT 036:2016 Rev.5
* 40062	Climatic chambers	PdT 008:2016 Rev.3
* 40063	Irons	PdT 006:2016 Rev.2 PdT 014:2016 Rev.2
* 40064	Abrasion tester Martindale	PdT 040:2008 Rev.0
* 40073	Protractors and angles	PdT 041:2016 Rev.2



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