



STS Directory

Accreditation number: STS 0228

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

TESTEX AG
Schweizer Textilprüfinstitut
Gotthardstrasse 61
8002 Zürich

Head: Matz Bachmann
Responsible for MS: Nicole Gnädinger
Telephone: +41 44 206 42 42
E-Mail: zuerich@testex.com
Internet: www.testex.com
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Current accreditation: 23.09.2019 to 22.09.2024
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 02.03.2023

Testing laboratory for textiles and textile related products

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Textile physical tests		
Fibres/Yarn	Fineness of yarn and ply yarn	EN ISO 2060
	Twist of yarn and ply yarn	EN ISO 2061
	Tensile test on yarn and ply yarn	EN ISO 2062
	Yarn hairiness, yarn fineness and yarn evenness	ISO 16549
Textile fabrics	Determination of mass per unit area using small samples	EN 12127
	Tensile strength – strip method	ISO 13934-1
	Tensile strength – Grab method	ISO 13934-2
	Seam strength	ISO 13935-2
	Minimum area of visible material	EN ISO 20471



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Textile fabrics	Tear resistance, ballistic pendulum	ISO 4674-2, ISO 13937-1
	Martindale Abrasion Resistance	ISO 12947-2 - 4
	Pilling test – Martindale method and Pilling Box	ISO 12945-1 - 2
	Resistance to seam slippage	EN 13936-1 - 2
	Scrub Test	SN 198498
	Bursting Strength	ISO 13938-2
	UV-transmission measurement	EN 13758, AS/NZ 4399, UV STANDARD 801
	Protective clothing – Protection against heat & flame – Method of test for limited flame spread	ISO 15025
	Standard for the flammability of Clothing Textiles	16 CFR Part 1610
	Upholstery fabrics – Specification and methods of test	EN 14465
	Snagging Test	BS 8479
	Snagging Resistance of Fabrics (Mace)	ASTM D3939
	Textile chemical tests	Fibre analysis (quant.), caustic potash lye method
Fibre analysis (quant.), sulphuric acid method		SN 95551
Fibre analysis (quant.), formic acid zinc chloride method		SN 95550
Fibre analysis (quant.), formic acid method		SN 195557
Detergent Testing		SAA F203 / F204
Colour fastnesses	Colour fastness to washing	ISO 105-C10, ISO 105-C08
	Colour fastness to domestic laundering	ISO 105-C06
	Colour Fastness to light of textiles wetted with artificial perspiration	ISO 105-B07
	Colour fastness to dry cleaning	ISO 105-D01



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Colour fastnesses	Colour fastness to ironing	ISO 105-X11
	Colour fastness to water	ISO 105-E01
	Colour fastness to perspiration	ISO 105-E04
	Colour fastness to rubbing	ISO 105-X12
	Colour fastness to saliva and perspiration	SAA F122
	Colour fastness to chlorinated water	ISO 105-E03
	Colour fastness to hypochlorite bleaching	ISO 105-N01
	Colour fastness to peroxide bleaching	ISO 105-N02
	Colour fastness to artificial light	ISO 105-B02
	Colour fastness to artificial weathering	ISO 105-B04
	Dimensional change and stability	Dimensional change in washing
Assessing the appearance of durable press fabrics		ISO 7768
Recovery from creasing - measurement of angle		EN 22313
Convective heat resistance at 180°C+/-5°C		ISO 17493
Clothing physiology tests	Skinmodel: Thermal resistance R _{ct} under steady-state conditions	ISO 11092
	Skinmodel: Water vapour resistance R _{et} under steady-state conditions	ISO 11092
	Air permeability	ISO 9237
	Resistance to water penetration	ISO 811
	Spray-Test	DIN EN 24920, AATCC-22
	Liquid Moisture Management Properties of Textile fabrics	AATCC Test Method 195-2009



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Chemical analytical analyses	Electrochemical tests	
	pH-Value	Internal test procedure SAA A003 acc. to OEKO-TEX® specifications ISO 3071
	Spectrometric tests	
	Quantitative determination of Formaldehyde using UV-VIS spectroscopy	Internal test procedure SAA A002 acc. OEKO-TEX® specifications and JIS L 1041
	Quantitative determination of Chromium (VI) using UV-VIS spectroscopy	Internal test procedure SAA A008 acc. OEKO-TEX® specifications
	Heavy metal total content (digestion and XRF) using ICP-MS	Internal test procedure SAA A009 acc. OEKO-TEX® specifications "16 CFR Part 1303 – Toys & Children's Products" [CPSC Docket No. CPSC-2008-0033] CPSC-CH-E1001-8.1/8.2/8.3 CPSC-CH-E1002-8.1/8.2/8.3 CPSC-CH-E1003-9 und CPSC-CH-E1003-9.1
	Determination of extractable heavy metals with acidic sweat solution using ICP-MS	Internal test procedure SAA A015 acc. OEKO-TEX® specifications
	Nickel content using ICP-MS	Internal test procedure SAA A025 and SAA A026 acc. OEKO-TEX® specifications and EN 12472 resp. EN 1811
	Migration of elements from toys using ICP-MS	Internal test procedure SAA A055 acc. EN 71-3
	Chromatographic tests	
Chlorinated Phenols, Phenol and ortho-Phenylphenol using GC-MS/MS	Internal test procedure SAA A004 acc. OEKO-TEX® specifications	
Pesticides using GC-MS/MS & UHPLC-MS/MS	Internal test procedure SAA A005 acc. OEKO-TEX® specifications	



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Chemical analytical analyses	Chlorinated Benzenes and Toluenes using GC-MS/MS	Internal test procedure SAA A006 acc. OEKO-TEX® specifications	
	Disperse Dyestuffs using UHPLC-MS/MS	Internal test procedure SAA A017 acc. OEKO-TEX® specifications	
	Cancerogenic Arylamines and Aniline using UHPLC-MS/MS	Internal test procedure SAA A018 and SAA 0019 acc. OEKO-TEX® specifications	
		EN 14362-1	
		EN 14362-3	
	Organotin Compounds using GC-MS	Internal test procedure SAA A021 acc. OEKO-TEX® specifications	
	Chemical analytical analyses	Phthalates, Bisphenol A and Cyclosiloxanes using GC-MS	Internal test procedure SAA A023 acc. OEKO-TEX® specifications
		Alkylphenol / Alkylphenolethoxylates (Surfactants) using UHPLC-MS/MS	Internal test procedure SAA A045 acc. OEKO-TEX® specifications
		Per- and Polyfluorinated Compounds using UHPLC-MS/MS & GC-CI-MS	Internal test procedure SAA A046 acc. OEKO-TEX® specifications
		Polycyclic Aromatic Hydrocarbons using GC-MS/MS	Internal test procedure SAA A047 acc. OEKO-TEX® specifications
Solvent Residues using GC-MS		Internal test procedure SAA A048 acc. OEKO-TEX® specifications	
Chloroparaffins using GC-MS & GC-CI-MS		Internal test procedure SAA A051 acc. OEKO-TEX® specifications	
Dimethylfumarate using GC-MS		Internal test procedure SAA A060 acc. OEKO-TEX® specifications	
UV Stabilizers using UHPLC-MS/MS		Internal test procedure SAA A072 acc. OEKO-TEX® specifications	
Nitrosamines and n-Nitrosatable Substances using UHPLC-APCI-MS/MS		Internal test procedure SAA A074 acc. OEKO-TEX® specifications	



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Chemical analytical analyses	<p>Glyphosate, AMPA and Glufosinate using UHPLC-MS/MS</p> <p>Azodicarboxamide (Blowing Agents) using UHPLC-DAD</p> <p>Volatile Organic Compounds (VOC), Chlorinated Solvents, Glycols and Cresols using GC-TD-MS</p> <p>Process Preservative Agents using UHPLC-DAD</p> <p>Molecular genetics</p> <p>GMO screening of raw cotton or cotton products using RT-PCR</p>	<p>Internal test procedure SAA A075 acc. to OEKO-TEX® specifications</p> <p>Internal test procedure SAA A076 acc. to OEKO-TEX® specifications</p> <p>Internal test procedure SAA A077 acc. to OEKO-TEX® specifications</p> <p>Internal test procedure SAA A078 acc. to OEKO-TEX® specifications</p> <p>Internal test procedure SAA A073</p>



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Abbreviation	Description
AATCC	American Association of Textile Chemists and Colorists
AMPA	Aminomethylphosphoric acid
GC-MS	Gas chromatography with mass spectrometry
GC-MS/MS	Gas chromatography with triple quadrupole mass spectrometry
GC-CI-MS	Gas chromatography with chemical ionization and mass spectrometry
GC-TD-MS	Gas chromatography with thermo desorption and mass spectrometry
GMO	Genetically modified organism
ICP-MS/MS	Inductively coupled plasma with triple quadrupole mass spectrometry
RT-PCR	Real-time polymerase chain reaction
SAA	Standard operational procedure
UHPLC-MS/MS	Ultra-High Performance Liquid Chromatography with triple quadrupole mass spectrometry
UHPLC-APCI-MS/MS	Ultra-High Performance Liquid Chromatography with atmospheric pressure chemical ionization and triple quadrupole mass spectrometry
UHPLC-DAD	Ultra-High Performance Liquid Chromatography with diod array detector
UV-VIS	Ultraviolet-visible radiation
VOC	Volatile organic compounds
XRF	X-ray fluorescence spectroscopy

In case of contradictions in the language versions of the directories, the German version shall apply.

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