

STS Directory

Accreditation number: STS 0228

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

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 Scope of accreditation see: www.sas.admin.ch
 (Accredited bodies)

Scope of accreditation as of 23.09.2024

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		
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 and colour determination	EN ISO 20471
	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



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Textile fabrics	Scrubb 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
	Snagging Test	BS 8479
Textile chemical tests	Fibre analysis (quant.), caustic potash lye method	SN 95545
	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	SOP 1259
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
	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	SOP 1233
	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



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Dimensional change and stability	Dimensional change in washing	ISO 3759/5077/6330
	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	Air permeability	ISO 9237
	Resistance to water penetration	ISO 811
	Spray-Test	DIN EN 24920, AATCC-22
Chemical analytical analyses	Electrochemical tests	
	pH-Value	Internal test procedure SOP 2452 acc. to OEKO-TEX® specifications ISO 3071
	Spectrometric tests	
	Quantitative determination of Formaldehyde using UV-VIS spectroscopy	Internal test procedure SOP 2451 acc. OEKO-TEX® specifications and JIS L 1041
	Quantitative determination of Chromium (VI) using UV-VIS spectroscopy	Internal test procedure SOP 2456 acc. OEKO-TEX® specifications
	Quantitative determination of Chromium (VI) using ion chromatography	Internal test procedure SOP 2458 acc. to OEKO-TEX® specifications of leather standard ML-12, based on ISO 17075-1 and ISO 17075-2



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Chemical analytical analyses	Heavy metal total content (digestion and XRF) using ICP-MS	Internal test procedure SOP 2457 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 SOP 2460 acc. OEKO-TEX® specifications
	Nickel content using ICP-MS	Internal test procedure SOP 2468 and SOP 2469 acc. OEKO-TEX® specifications and EN 12472 resp. EN 1811
	Chromatographic tests	
	Chlorinated Phenols, Phenol and ortho-Phenylphenol using GC-MS/MS	Internal test procedure SOP 2453 acc. OEKO-TEX® specifications
	Pesticides using GC-MS/MS & UHPLC-MS/MS	Internal test procedure SOP 2454 acc. OEKO-TEX® specifications
	Chlorinated Benzenes and Toluenes using GC-MS/MS	Internal test procedure SOP 2455 acc. OEKO-TEX® specifications
	Disperse Dyestuffs using UHPLC-MS/MS	Internal test procedure SOP 2462 acc. OEKO-TEX® specifications
	Cancerogenic Arylamines and Aniline using UHPLC-MS/MS	Internal test procedure SOP 2463 and SOP 2464 acc. OEKO-TEX® specifications EN 14362-1 EN 14362-3
	Organotin Compounds using GC-MS	Internal test procedure SOP 2465 acc. OEKO-TEX® specifications



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Chemical analytical analyses	Phthalates, Bisphenol A and Cyclosiloxanes using GC-MS	Internal test procedure SOP 2467 acc. OEKO-TEX® specifications
	Alkylphenol / Alkylphenolethoxylates (Surfactants) using UHPLC-MS/MS	Internal test procedure SOP 2471 acc. OEKO-TEX® specifications
	Per- and Polyfluorinated Compounds using UHPLC-MS/MS & GC-CI-MS	Internal test procedure SOP 2472 acc. OEKO-TEX® specifications
	Polycyclic Aromatic Hydrocarbons using GC-MS/MS	Internal test procedure SOP 2473 acc. OEKO-TEX® specifications
	Solvent Residues using GC-MS	Internal test procedure SOP 2474 acc. OEKO-TEX® specifications
	Chloroparaffins using GC-MS & GC-CI-MS	Internal test procedure SOP 2475 acc. OEKO-TEX® specifications
	Dimethylfumarate using GC-MS	Internal test procedure SOP 2477 acc. OEKO-TEX® specifications
	UV Stabilizers using UHPLC-MS/MS	Internal test procedure SOP 2478 acc. OEKO-TEX® specifications
	N-Nitrosamines and n-nitrosatable substances using UHPLC-APCI-MS/MS	Internal test procedure SOP 2480 acc. OEKO-TEX® specifications
	Glyphosate, AMPA and Glufosinate using UHPLC-MS/MS	Internal test procedure SOP 2481 acc. to OEKO-TEX® specifications
	Azodicarboxamide (Blowing Agents) using UHPLC-DAD	Internal test procedure SOP 2482 acc. to OEKO-TEX® specifications
	Volatile Organic Compounds (VOC), Chlorinated Solvents, Glycols and Cresols using GC-TD-MS	Internal test procedure SOP 2483 acc. to OEKO-TEX® specifications
	Process Preservative Agents using UHPLC-DAD	Internal test procedure SOP 2484 acc. to OEKO-TEX® specifications
Molecular genetics	Bisphenols and Vulkanox BKF (2,2-MMP) using UHPLC-MS/MS	Internal test procedure SOP 5487 acc. to OEKO-TEX® methods M-40, ML-40, ML-0, M-5-C, ML-5-C
	GMO screening of raw cotton or cotton products using RT-PCR	ISO IWA 32

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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	Ultraviolett-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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