



## STS Directory

## Accreditation number: STS 0228

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

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Initial accreditation: 23.09.1999  
Current accreditation: 23.09.2019 to 22.09.2024  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 23.09.2019

#### Testing laboratory for textiles and textile related products

Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<b>Textile physical tests</b>		<b>SAA = validated in-house test methods</b>
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	SAA P07
Textile fabrics	m <sup>2</sup> - weight	EN 12127
	Tensile strength – strip method	ISO 13934-1
	Tensile strength – Grab method	ISO 13934-2
	Tear resistance, ballistic pendulum	ISO 4674-2, ISO 13937-1
Textile fabrics	Abrasion test – Martindale method	ISO 12947-2 - 4



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	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 13'758, AS/NZ 4399, UV Standard 801
	Burning behaviour – Curtains & Drapes	EN 1102
	Burning behaviour for apparels	EN 1103
	Measurement of flame spread properties of vertically oriented specimens	ISO 6941
	Burning behaviour of children's nightwear	EN 14878
	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	James Heals Method
	Snagging Resistance of Fabrics (Mace)	ASTM D3939
	<b>Textile chemical tests</b>	
	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
	Solvent soluble substances	DIN 54278
<b>Textile chemical tests</b>	Viscosity (EWN)	SNV 195598



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Colour fastnesses	Viscosity (nitrate method)	SNV 195596
	Detergent Testing	SAA F203/ F204
	Colour fastness to washing	ISO 105-C10, ISO 105-C08
	Colour fastness to domestic laundering	ISO 105/C06
	Colour Fastness to industrial laundering	ISO 105/C12
	Colour Fastness to light of textiles wetted with artificial perspiration	ISO 105/BO7
	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	SAA F122
	Colour fastness to sea water	ISO 105/E02
	Colour fastness to chlorinated water	ISO 105/E03
	Colour fastness to hypochlorite bleaching	ISO 105/N01
Colour fastness to peroxide bleaching	ISO 105/N02	
Dimensional change and stability	Colour fastness to artificial light	ISO 105/B02
	Colour fastness to artificial weathering	ISO 105/B04
	Dimensional change in washing	ISO 5077/6330/3759
	Dimensional change in dry cleaning	ISO 3759/ 3175
Dimensional change and stability	Dimensional change in iron pressing	DIN 53894/ SN 98875
	Assessing the appearance of durable press fabrics	ISO 7768
	Recovery from creasing - measurement of angle	EN 22313



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<b>Clothing physiology tests</b>	Skinmodel: Thermal resistance Rct under steady-state conditions	ISO 11092, EN 31092
	Skinmodel: Water vapour resistance Ret under steady-state conditions	ISO 11092, EN 31092
	Air permeability	ISO 9237
	Resistance to water penetration	ISO 811
	Water repellency by the Bundesmann rain-shower test	DIN EN 29865
	Spray-Test	DIN EN 24920, AATCC-22
	Water absorption/time for drying	SAA F27
	Liquid Moisture Management Properties of Textile fabrics	AATCC Test Method 195-2009
<b>Chemical analytical analyses</b>	pH-value	SAA A003, ISO 3071
	Arylamines (Azo- dyestuffs)	SAA A018, SAA A019, EN 14362-1, EN 14362-3
	Quantitative formaldehyde determination	SAA A002, JIS L 1041
	Determination of the content of phenols (PCP, MCP, DCP, TrCP, TeCP, OPP, Phenol)	SAA A004
	Determination of chlorinated benzenes and toluenes	SAA A006
	Determination of chromium (VI)	SAA A008
	Determination of extractable heavy metals with acidic sweat solution	SAA A015
	Nickel release after corrosion and abrasion	SAA A026 (EN 12472), SAA A025 (EN 1811)
	Determination of allergenic disperse dyestuffs	SAA A017
	Determination of organic tin compounds	SAA A021



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<b>Chemical analytical analyses</b>	Total heavy metal content incl. Pb/Cd	SAA A009 - "16 CFR Part1303 – 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
	AP/APEO (Alkylphenol/ Akylphe- nolexthoxyates)	SAA A045
	Perfluorated compounds (PFC)	SAA A046, EU-Directive 2006/122/ECOF
	Polycyclic Aromatic Hydrocarbons (PAH)	SAA A047
	Dimethylfumarate (DMFu)	SAA A060
	Phthalates and Cyclosiloxanes (softener)	SAA A023, CPSC-CH-C1001- 09.1-09.3
	Migration of elements from toys	EN 71-3
	Determination of solvent residues (NMP, DMAc, DMF, Formamid & Benzol)	SAA A048
	UV- stabilizers	SAA A072
GMO- screening of raw cotton or cotton products	SAA A073	

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