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Eidgenössisches Departement für  
Wirtschaft, Bildung und Forschung WBF  
**Staatssekretariat für Wirtschaft SECO**  
Schweizerische Akkreditierungsstelle SASSchweizerische  
Akkreditierungsstelle SAS

**Accreditation number** STS 182  
Accreditation standard ISO/IEC 17025:2005

## STS Directory

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### Testing laboratory for Textile and Leather

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	Internet:	<a href="http://www.strtest.ch">http://www.strtest.ch</a>
	First accreditation (d,m,y):	26.09.1997
	Last accreditation (d,m,y):	26.09.2012
	Updated version:	<a href="http://www.sas.admin.ch">www.sas.admin.ch</a> (accredited bodies)

### Scope of accreditation in May 2014

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)
		<i>Remark:</i> Old norms with * are sometimes still used.
Colour-fastness to	light (Xenon-arc lamp)	ISO-105 / B02, SOP TT-0006
	weathering (Xenon-arc lamp)	ISO-105 / B04, SOP TT-0008
	washing (domestic laundering)	ISO-105 / C06, SOP TT-0014
	dry cleaning	ISO-105 / D01, SOP TT-0015
	water	ISO-105 / E01, SOP TT-0017 GB/T5713

sea water	ISO-105 / E02, SOP TT-0018
chlorinated pool-water	ISO-105 / E03, SOP TT-0019
perspiration	ISO-105 / E04, SOP TT-0020 GB/T 3922
chlorine bleach	UL Meth. TP0080, SOP TT-0029
rubbing	ISO-105 / X12, SOP TT-0042 GB/T 3920

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- 1) Type A: It is not allowed to change the scope
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materials, field of activity**

**Principle of measurement <sup>2)</sup>  
(characteristics, measuring  
ranges, type of test)**

**Test methods, remarks  
(national, international stan-  
dards, in-house test methods)**

Construction of textiles

non chlorine bleach

UL Meth. TP0092, SOP TT-0070

Weight per square meter

ISO 3801, SOP TT-0207

Number of loops and wales  
in knitted fabrics

DIN EN 14971, SOP TT-0208

Number of threads in woven  
fabrics

ISO 7211 / 2, SOP TT-0209

Strength tests

Seam slippage

BS 3320, DIN 53868, ASTM-D 434  
EN13961-1  
SOP TT-0301

Tensile strength, grab method

ISO 13934-2, ASTM-D 5034  
SOP TT-0302Tensile strength,  
ravelled strip methodISO 13934-1, ASTM-D 5035,  
SOP TT-0303Tear strength (Elmendorf)  
Fall-pendulum-methodISO 13397-1,  
SOP TT-0304

Tear strength, with tensile tester SOP TT-0306

Double tongue tear method	ISO-4674-1 Method A BS-3424-5 Method 7A and 7B ISO-13937-4
Trapezoid tear method	ISO 9073-4, ISO 13937-3
Wing rip tear method	ISO 13937-3
Tear strength on trouser shaped test specimens / Single edge tear	ISO-4674-1 Method B ISO-13937-2 ISO-3377-1 BS-3424-5 Method 7C ASTM-D-2261

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Strength tests	Stitch Tear Resistance	ISO 23910
	Double edge tear method	ISO-3377-2
	Adhesion Test of fused interlining DIN 54310, SOP TT-0313	
	Bursting strength	UL Method, based on ISO 13938-2, SOP TT-0316
	Tensile strength of yarn	ISO 2062, SOP TT-0317
Shrinkage / Dimension stability	Dimension stability: Sample preparation	ISO 5077, EN-ISO 3759, SOP TT-0401
	Dimension stability: Domestic laundering procedures	ISO 6330 SOP TT-0402
	shrinkage of fabrics induced by free steam, WIRA-Test	ISO 3005, SOP TT-0404
Performance tests	Pilling Martindale	ISO 12945-2,

Pilling, ICI-Pilling-box	ISO 12945-1 SOP TT-0502-F, *BS 5811:1986
Abrasion, Martindale	BS 5690, ISO 12947-2, ISO 12947-3, ISO 12947-4, SOP TT-0506
Crease recovery ankle	EN 22313, SOP TT-0510
Water Reppellency (Spray-Test)	ISO 4920, SOP TT-0512
Resistance to hydrostatic pressure	ISO 811, AATCC 127 SOP TT-0522

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Performance tests	Basics of quantitative Fibre-analysis	BS 4407 (Section 1&2), ISO 1833-1, SOP TT-0702
Textile chemical analysis	Manual fibre separation	BS 4407 (Section 3), SOP TT-0702
	Quantitative analysis in fibre-mixtures of Acetate and certain other fibres	BS 4407 (Method 1), ISO 1833-2, SOP TT-0703
	Quantitative analysis in fibre-mixtures of Protein fibres and certain other fibres	BS 4407 (Method 2), ISO 1833-3, SOP TT-0704-1
	Quantitative analysis in fibre-mixtures of Protein fibres and certain other fibres (Potassium-	DIN 54204, SNV 95545, SOP TT-0704-2

hydroxide)

Quantitative analysis in fibre-mixtures of Viscose and Cotton (Sodium-Zinkate)

ISO 1833-4, SOP TT-0705

Quantitative analysis in fibre-mixtures of Viscose and Cotton

BS 4407 (Method 3), ISO 1833-5, DIN 54208, SNV 95550  
SOP TT-0705

Quantitative analysis in fibre-mixtures of Polyamide and certain other fibres (formic acid)

BS 4407 (Method 4), ISO 1833-6, SOP TT-0706

Quantitative analysis in fibre-mixtures of Polyamide and certain other fibres

DIN 54221, SOP TT-0706

Quantitative analysis in fibre-mixtures of Acetate and Triacetate (acetone)

ISO-1833-7, SOP TT-0707

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**Principle of measurement <sup>2)</sup>  
(characteristics, measuring  
ranges, type of test)**

**Test methods, remarks  
(national, international stan-  
dards, in-house test methods)**

Textile chemical analysis

Quantitative analysis in fibre-mixtures of Acetate und Triacetate (benzyl alcohol)

BS 4407 (Method 5), ISO 1833 -8  
SOP TT-0707

Quantitative analysis in fibre-mixtures of Triacetate and certain other fibres

BS 4407 (Method 6), ISO 1833-9,  
SOP TT-0708

Quantitative analysis in fibre-mixtures of Cellulose and Polyester

BS 4407 (Method 7), ISO 1833-10,  
SOP TT-0709

Quantitative analysis in fibre-

BS 4407 (Method 8), ISO 1833-11,

mixtures of Acrylics-, Modacrylics-, Chlorofibres and certain other fibres	SOP TT-0710
Quantitative analysis in fibre- mixtures of Chlorofibres and certain other fibres	BS 4407 (Method 9), ISO 1833-12, SOP TT-0711
Quantitative analysis in fibre- mixtures of Acetate und Chlorofibres	BS 4407 (Method 10), ISO 1833- 13, DIN 54218, SOP TT-0712
Quantitative analysis in fibre- mixtures of Silk and Wool (sulphuric acid)	BS 4407 (Method 11), ISO 1833 -7, SOP TT-0713
Quantitative analysis in fibre- mixtures of Silk and Wool (Formic acid / Zinc chloride)	DIN 54209, SNV 95550, SOP TT-0713
Quantitative analysis in fibre- mixtures of Flax and Viscose	BS 4407 (Method 14), SOP TT-0715
Quantitative analysis in fibre- mixtures of Polypropylene and certain other fibres	BS 4407 (Method 15), ISO 1833-15, SOP TT-0716

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**Principle of measurement <sup>2)</sup>  
(characteristics, measuring  
ranges, type of test)**

**Test methods, remarks  
(national, international stan-  
dards, in-house test methods)**

Textile chemical analysis

Quantitative analysis in fibre-  
mixtures of Chlorofibres and  
certain other fibres (Sulphuric-  
acid)

BS 4407 (Method 16),  
ISO 1833-16, SOP 717 TT-0

Quantitative analysis in fibre-  
mixtures of Asbestos and certain  
other fibres

BS 4407 (Method 17),  
ISO 1833-18, SOP TT-0718

## Testing laboratory

	Quantitative analysis in fibre-mixtures of Chloro-, Modacrylic-, Elasthane and certain other fibres (cyklohexanone)	BS 4407 (Method 18), ISO 1833-21, SOP TT-0719
	Quantitative analysis in fibre-mixtures of Cotton and Polyacrylic	SOP TT-0721, *SNV-95560
	Quantitative analysis in fibre-mixtures of Cotton and PVC	SOP TT-0722, *SNV-95565
Flammability Tests	Burning behaviour of curtains and drapes	SN EN 1102/ISO 6941 SOP TT-0902
	Burning behaviour textiles – fabrics for apparel	SN EN 1103/ISO 6941 SOP TT-0903
	Burning behaviour of children's nightwear	EN 14878: SOP TT-0904
	Standard for the Flammability of Clothing Textiles	16CFR1610 : SOP TT-0905
Analytical Tests	Methods for determination of certain aromatic amines derived from azo colorants from textile- and leather samples	LFGB §64 (B82.02-2, 3, 4, 9) DIN EN 14362-1, DIN EN 14362-3, GB/T 17592, GB/T 23344

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**Principle of measurement <sup>2)</sup>  
(characteristics, measuring  
ranges, type of test)**

**Test methods, remarks  
(national, international stan-  
dards, in-house test methods)**

Analytical Tests

Analysis of dyestuffs belonging  
to MAK groups III A1 und III A2  
according to German law,  
"Lebensmittel- und  
Bedarfsgegenstände Gesetz"

LFGB §64 (B82.02-2, 3, 4, 9)  
SOP CA-2032, SOP CA-2033

pH of aqueous extracts of textile and leather samples	ISO 3071, ISO 4045, GB/T 7573
Determination of released nickel 7. VO zur Änderung der BGVO	Anlage 5Azu § 6 Abs. 4 (Anlage 9) § 64 LFGB B82.02.7 (EN 12472) § 64 LFGB B82.02.6, DIN EN 1811, SOP TA-1002
Formaldehyde content in textile and leather samples	JIS-L 1041, LFGB §64 B82.02-1 VDIN ISO TS 17226-1/-2
Analysis of disperse dyestuffs	DIN 54231, §64 LFGB B82.02.10 SOP TA-1007
Determination of heavy metal content in textile and leather samples	SOP CA-2017
Determination of animal fat content	SOP TA-1009
Analysis and preparation of organochlorine pesticides and pyrethroides	S19-1 (DFG), SOP TA-1010 SOP CA-2011 SOP CA-2014
Analysis and preparation of chlorinated organic carrier	S19-1 (DFG), SOP TA-1010 SOP CA-2014, SOP CA-2020
Analysis and preparation of phenoxyacid-herbicides	27-A (38-A)-1 (DFG), SOP TA-1011 SOP CA-2013, SOP CA-2014

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materials, field of activity**

**Principle of measurement <sup>2)</sup>  
(characteristics, measuring  
ranges, type of test)**

**Test methods, remarks  
(national, international stan-  
dards, in-house test methods)**

Analytical Tests

Analysis and preparation of

LFGB §64 B82.02-8

## Testing laboratory

pentachlorophenol and 2,3,5,6,-TeCP	ISO 17070, SOP TA-1012, SOP CA-2012A SOP CA-2012, SOP CA-2014
Determination of the Chrome VI content in leather	ISO 17075, ISO 4045 DIN EN 420 SOP TA-1013
Determination of free formaldehyde according to Shirley Method	SOP TA-1016-1, *BS 6806 Part 2
Determination of released formaldehyde according to Shirley Method	SOP TA-1016-2, *BS 6806 Part 3,
Transmittance or Blocking of erythemally weighted UV- radiation through fabrics (UV protection Factor / UPF)	AS/NZS 4399, BS-7914, AATCC 183, DIN EN 13758-1 & 2 SOP TA-1017
Determination of special organotin compounds (like DBT, TBT, TeBT, TOT and DOT)	SOP TA-1018
Determination of total cadmium content in plastic	DIN EN 1122 SOP TA-1019
Determination of free and released formaldehyde	ISO 14184-1, M&S C18C, GB/T 2912.1 ISO 14184-2, M&S C18B SOP TA-1020
Determination of 2- Hydroxybiphenyl	SOP TA-1021
Determination of Alkylphenole/- ethoxylates	SOP TA-1022

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**Group of products or** **Principle of measurement 2)** **Test methods, remarks**

materials, field of activity	Testing laboratory (characteristics, measuring ranges, type of test)	(national, international standards, in-house test methods)
Analytical Tests	Determination of Navy Blue	SOP TA-1023
	Determination of Biocides	SOP A3
	Determination of PAK	SOP TA-1025
	Determination of Phthalates	DINEN 15777, CPSC-CH-C1001-09
	Determination of TCMTB	SOP TA-1027
	Determination of short chain paraffines	SOP TA-1028
	Determination of Nonylphenoethoxylates	SOP TA-1029
	Determination of PFOS	SOP TA-1030 BSi TCI/80_09_0023
	Determination of Dimethylfumarate	SOP A4
	Determination of Dimethylformamide	SOP TA-1032
Determination of heavy metals total content	SOP TA-1033 • 16 CFR Part 1303, CPSC-CH-E1003-09, • 16 CFR Part 1303, CPSC-CH-E1002-08 • CPSC-CH-E1001-08, • CPSC SOP lead and it's availability in children's metal jewelry	

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**Abkürzungen**

AATCC	American Association of Textile Chemists and Colorists
AS/NZS	(harmonised) Australian and New Zealand standards
ASTM	American Society for Testing and Materials
BGVO	Bedarfsgegenstände Verordnung
BS	British Standards
BSi	British Standards
CFR	Code of Federal Regulations
CPSC	Consumer Product Safety Commission
DFG	Deutsche Forschungsgemeinschaft
GB/T	Chinese national standards
JIS	Japan Industrial Standard
LFGB	Lebensmittel- und Futtermittelgesetzbuch
SOP	Standard Operating Procedure
VO	Verordnung

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