



Accreditation number **STS 228**
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 1 of 6

Testing laboratory textiles and textile related products

| | | |
|---|---|--|
| <p>TESTEX AG Schweizer Textilprüfinstitut Gotthardstrasse 61 CH-8027 Zürich</p> | <p>Head: Responsible person for MS: Telephone: Telefax: E-Mail: Internet: First accreditation (d,m,y): Last accreditation (d,m,y): Updated version:</p> | <p>Dr. Jean-Pierre Haug Dr Gilles Ritter +41 44 20 64 242 +41 44 20 64 230 mailto: zuerich@testex.com http://www.testex.com 23.09.1999 23.09.2009 www.sas.ch (accredited bodies)</p> |
|---|---|--|

Scope of accreditation in November 2011

| 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 | | SAA = validated in-house test methods |
| Fibres/Yarn | Fibre analysis quantitative Cashmere & cashmere blends | SAA P1000 |
| | Fineness of yarn and ply yarn | EN ISO 2060, SAA P01 |
| | 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 ² - weight | EN 12127, EN 29073-1 |
| | Tensile strength – strip method | ISO 13934-1 |
| | Tensile strength – Grab method | ISO 13934-2 |
| | Tear resistance, ballistic pendulum | ISO 4674-2, ISO 13937-1 |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed



Accreditation number STS 228
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 2 of 6

| 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 chemical tests | Abrasion test – Martindale method | ISO 12947-2 |
| | Pilling test – Martindale method | ISO 12945-2/ ISO 12947-2 – 4 |
| | Resistance to seam slippage | EN 13936-1 – 2, M + S P12 |
| | 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 fabrics for apparel | EN 1103, ISO 6941 |
| | Burning behaviour of children's nightwear | EN 14878 |
| | Protective clothing – Protection against heat & flame | 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 |
| Fibre analysis (quant.), caustic potash lye method | SN 95545 | |
| Fibre analysis (quant.), sulphuric acid method | SN 95551 | |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed



Accreditation number **STS 228**
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 3 of 6

| 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) |
|--|---|---|
| Colour fastnesses | Fibre analysis (quant.), formic acid zinc chloride method | SN 95550 |
| | Fibre analysis (quant.), formic acid method | SN 195557 |
| | Solvent soluble substances | DIN 54278 |
| | Viscosity (EWN) | SNV 195598 |
| | Viscosity (nitrate method) | SNV 195596 |
| | Colour fastness to washing | ISO 105/C01, C02, C03, C04, 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 | |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed



Accreditation number **STS 228**
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 4 of 6

| 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) |
|--|---|---|
| | 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 | Yarn shrinkage | SN 197821 |
| | Dimensional change in washing | ISO 5077/6330/3759 |
| | Dimensional change in dry cleaning | ISO 3759/ 3175 |
| | 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 |
| Clothing physiology tests | 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 |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed



Accreditation number **STS 228**
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 5 of 6

| 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) |
|--|---|---|
| Chemical analytical analyses | 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 |
| | Water vapour permeability | DIN 53122 |
| | Liquid Moisture Management Properties of Textile fabrics | AATCC Test Method 195-2009 |
| | pH-value | SAA A03 |
| | Carcinogenic arylamines (azo-dyestuffs) | EN 14362-1, EN 14362-2, SAA A18, SAA A19 |
| | Quantitative formaldehyde determination | JIS L 1041, SAA A02 |
| | Determination of the content of phenols (PCP/TeCP/OPP) | SAA A04 |
| | Determination of chlorinated benzenes and toluenes | SAA A06 |
| | Quantitative detection of chromium (VI) | SAA A08 |
| Determination of extractable heavy metals with acidic sweat solution | SAA A15 | |
| Nickel release after corrosion and abrasion | EN 12472, SAA A25, SAA A26 | |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed



Accreditation number **STS 228**
Accreditation standard ISO/IEC 17025:2005

STS Directory

page 6 of 6

| 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) |
|--|--|--|
| | <p>Determination of allergenic disperse dyestuffs</p> <p>Determination of organo tin compounds</p> <p>Determination of PVC softeners (phthalates)</p> <p>Total heavy metal content after microwave digestion</p> <p>APEO (Akyphenol exthoxylates)</p> <p>PFOS (Perfluorooctane sulfonate) & PFOA (Perfluorooctane acids)</p> <p>Polycyclic Aromatic Hydrocarbons (PAH)</p> <p>Phthalates</p> | <p>SAA A17</p> <p>SAA A21</p> <p>SAA A23</p> <p>- SAA A31 - "16 CFR Part1303 – Toys & Children's Products" [CPSC Docket No. CPSC-2008-0033] - CPSC-CH-E1001-8.1; CPSC-CH-E1002-8.1 - CPSC-CH-E1003-9 und CPSC-CH-E1003-9.1</p> <p>SAA A45</p> <p>EU-Directive 2006/122/ECOF, SAA A46</p> <p>SAA A47</p> <p>CPSC-CH-C1001-09.1-09.3</p> |

1) Type A: It is not allowed to change the scope
2) Type B: Optimizing defined test methods (adapt to client's needs, adapted standards) is allowed
3) Type C: Introduction of additional test methods for the different types of tests is allowed