



STS Directory

Accreditation number: STS 0083

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

Empa
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Membranes and Textiles
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Initial accreditation: 18.08.1994
Current accreditation: 07.07.2020 to 06.07.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 04.09.2023

Testing laboratory for clothing physiology and personal protective systems

Group of products or materials, field of activity	Principle of measurement ^{2) / 3)} (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Thermal and moisture behaviour Textiles	Investigation of the thermal properties of planar flat structures ²⁾	ISO 5085-1 EN 12667
	Thermal and water vapor transmission resistance under steady-state conditions ²⁾	ISO 11092
	Characterization of textile fabrics regarding heat and moisture transport with the sweat torso ²⁾	ISO 18640
	Air permeability ²⁾	EN ISO 9237
Weather protection Textiles	Resistance to water penetration (hydrostatic pressure / water column) ²⁾	ISO 811
	Tightness of ready-made jackets in the rain tower ²⁾	EN 14360



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Protective clothing	Measurement of transmitted energy and prediction of the probability of burns using a sensor-equipped manikin ²⁾	ISO 13506-1 ISO 13506-2 ASTM F1930
Burning behavior Curtains, seat cushions, apparel textiles, textile fabrics	Smoke density (degree of smoke), Burning and glowing behavior, Basic test ³⁾	Guide for Fire Police Regulations VKF
Balls	Weighing value ³⁾	Own method
	Air tightness (pressure drop) ³⁾	Own method
	Circumference/Roundness ³⁾	Own method
	Rebound height and force ³⁾	Own method
	Water absorption ³⁾	Own method
	Shooting test ³⁾	Own method
	Conditioning ³⁾	Own method
	Rolling test ³⁾	Own method
Soccer balls	Approval testing (see balls) ³⁾	FIFA Quality Programme for Footballs (outdoor, futsal and beach soccer footballs), Testing Manual
Volleyballs	Approval testing (see balls) ³⁾	FIVB Homologations Regulations
Handballs	Approval testing (see balls) ³⁾	IHF Ball Regulations

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

Abbreviation	Signification
VKF	Association of Cantonal Fire Insurers
FIFA	Fédération Internationale de Football Association
FIVB	Fédération Internationale de Volleyball
IHF	International Handball Federation

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the laboratory.

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