



STS Directory

Accreditation number: **STS 0535**

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

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Initial accreditation: 27.04.2010
Current accreditation: 27.04.2020 to 26.04.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 11.03.2022

Testing laboratory for chemical analyses (ICP, GC, HPLC and UV-VIS), EDX analyses and SEM examination, physicochemical analyses of materials and metallographic examination, waterproofness checking, environmental tests (corrosion, UV, climatic), strain and wear tests of watch components

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 Analyzes	Nickel release by ICP-OES	EN 1811
Chemical Analyzes	Preparation of samples	ISO 4044
Chemical Analyzes	pH measurement in leathers pH measurement intextiles	ISO 4045 ISO 3071
Chemical Analyzes	Formaldehyde in leathers Formaldehyde in textiles	ISO 17226-1, ISO 17226-2 ISO 14184-1
Chemical Analyzes	Chromium VI in leathers by UV Chromium VI in leathers by CI	ISO 17075-1, ISO 10195 (Ageing) ISO 17075-3, ISO 10195 (Ageing)
Chemical Analyzes	Azo dyes in leathers Azo dyes in textiles	ISO 17234-1 & 2 ISO 14362-1 & 3



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Chemical Analyzes	Chlorophenols (PCP-TeCP- TriCP)	In-house method adapted from ISO 17070
Chemical Analyzes	<u>Total metal content in:</u> - <i>leathers</i> - <i>Steel</i> - <i>Organic complex matrix</i> - <i>RoHS 2</i>	ISO 17072-2 EN 10351 EPA Method 3052B EN 62321
Chemical Analyzes	Organotin compounds	ISO/TS 16179
Chemical Analyzes	Polycyclic aromatic hydrocarbons	Afps GS 2014 :01-PAK
Chemical Analyzes	Determination of acetone extractable substances	In-house method MON-C.211
Chemical Analyzes	Phthalates Phtalates in textiles	ISO 16181-1 ISO 14189
Chemical Analyzes	Dimethylfumarate (DMFu)	ISO/TS 16186
Chemical Analyzes	Hexabromocyclododecane (HBCDD)	ISO 17881-1
Chemical Analyzes	Dimethylformamide (DMF) +Dimetylacetamide (DMAc)	In-house method adapted from ISO/TS 16189
Chemical Analyzes	Short-Chain chloriated Paraffins (SCCP)(C10-C13)	ISO 18219-1 and 18219-2
Chemical Analyzes	UV Stabilisers (UV-320, UV-327 and UV-328)	In-house method MON-C.229
EDX analyses	Qualitative analyzes (elements starting from Berilium [Be])	In house method MON-CM.301
SEM examination	Semi-quantitative analyzes	In house method MON-CM.301
Metallographic examination	Observations, searching defects, photos	In house method MON-CM.301
Metallographic examination	Steel grain size determination	ISO 643, ASTM E-112
	Inclusion rate	NF EN 10247



STS Directory

Accreditation number: STS 0535

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Metallographic examination	Searching of inter metallic precipitate presence (delta ferrite, sigma phase)	In-house method MON-MC.313
Physicochemical analyses of materials	Thickness coating measurement by optical or SEM method	ISO 1463
Physicochemical analyses of materials	Vickers micro hardness (10 to 10'000 g)	ISO 4516, ISO 6507-1
Physicochemical analyses of materials	Knoop micro hardness (10 to 10'000 g)	ISO 4516, ISO 4545
Physicochemical analyses of materials	Shore A hardness	ISO 48-4 (ISO 7619-1 canceled)
Waterproofness checking	Water tightness test	ISO 22810, NIHS 92-20, ISO 6425, NIHS 92-11
Waterproofness checking	Micro leak detection	In-house method MON-MC.002
Environmental tests	Salted spray corrosion	ISO 9227 - NIHS 96-50
Environmental tests	Synthetic sweat corrosion	ISO 12870, NIHS 96-50
Environmental tests	Thioacetamide corrosion	NIHS 96-50
Environmental tests	Sulfur flower	NIHS 96-50
Environmental tests	Solar radiation test	NIHS 96-50, ISO 105 A02, EN 60068-2-9
Environmental tests	Climatic ageing test	In-house method MON-E.113
Environmental tests	Heat-Humidity test	NIHS 96-50, EN 60068-2-67
Environmental tests	Stain test in barrel	In house method adapted from ISO 11378-2, ISO 105 A02
Strain and wear tests of watch components	Adherence test	ISO 2819, ISO 3157, ISO 27874 (Gold alloys), NIHS 96-50
Strain and wear tests of watch components	Wear tests using ceramic balls in Turbula T2C	ISO 23160, NIHS 96-22
Strain and wear tests of watch components	Colour fastness tests of leathers (Veslic)	ISO 11640, ISO 105-A02, ISO 105-A03



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Strain and wear tests of watch components	Striker test	ISO 1413, NIHS 91-10
Strain and wear tests of watch components	Kinetic energy of glass rupture	ISO 14368-3, NIHS 61-13
Strain and wear tests of watch components	Pencil stripes	ISO 15184
Strain and wear tests of watch components	Fine stripes	ISO 23160 §5
Strain and wear tests of watch components	<u>Metallic strap ageing:</u> - <i>Tensile and torsion test</i> - <i>Alternation movements on wrist</i> - <i>Disordered movements</i> - <i>Play – arrow measurement of bracelets</i>	In-house method MON-MC.010 In-house method MON-MC.013 In-house method MON-MC.014 In-house method MON-MC.031
Strain and wear tests of watch components	Clasp wear	In-house method MON-MC.016
Strain and wear tests of watch components	Crown function wear	In-house method MON-MC.015
Strain and wear tests of watch components	Crown gasket wear	ISO 6425, NIHS 92-11
Strain and wear tests of watch components	Push-buttons function wear	In-house method MON-MC.026
Strain and wear tests of watch components	Rotary bezel wear	In-house method MON-MC.029

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



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Abbreviation	Signification
ASTM	American Society for Testing Materials
DIN	Deutsche Industrial Norms
EN	European Norms
ISO	International Organization for Standardization
NIHS	Standard of the Swiss watch industry
EPA	US Environmental Protection Agency