



STS Directory

Accreditation number: **STS 0023**

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

<p>Suisse Technology Partners AG Querstrasse 5 8212 Neuhausen am Rheinfall</p>	<p>Head: Responsible for MS: Telephone: E-Mail: Internet: Initial accreditation: Current accreditation: Scope of accreditation see:</p>	<p>Günter Bergmann Benedikt Moser +41 52 551 11 22 guenter.bergmann@suisse-tp.ch http://www.suisse-tp.ch 24.06.1993 17.07.2022 to 16.07.2027 www.sas.admin.ch (Accredited bodies)</p>
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Scope of accreditation as of 17.07.2022

Testing laboratory for chemical, physical and mechanical tests of metallic material, polymers and composite materials, environmental samples and elements in organic materials and salts.

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<p>Metallic materials in form of bars, casting samples, semi-finished products, finished products, powders and chips for wet chemical analysis</p>	Mechanical preparation (such as cutting, milling etc.)	In-house test methods
	Arc optical emission spectroscopy for major and minor elements	In-house test methods
	Mechanical disintegration (such as milling, drilling, etc.) Chemical dissolving	In-house test methods (GDMB method according to Handbook "Analyse der Metalle", issued 1993)



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Elements in organic materials in salts and solutions	Wet chemical analysis for main and trace components, content of oxides, filler content and filler material, primarily by means of the following instruments: F-AAS, ICP-OES, ICP-MS Photometry	In-house test methods GDMB method according to the manual "Analysis of Metals", 1993 edition	
	ICP-OES, ICP-MS	In-house test methods	
	Titration	In-house test methods	
	Sample preparation procedures for the analysis of components in solution and undissolved components	German standard methods (DEV) for water analysis	
	Environmental samples Aqueous samples: - Purified water - Groundwater - Waste water - Leachate		
	Solid environmental samples: - Ab-/Adsorption material, filter - Culture samples: Herbal material	Pretreatment (drying, breaking, milling, mixing, chemical dissolution, elution or extraction) Chemical analysis of relevant environmental parameters such as cations and anions: F-AAS ICP-OES, ICP-MS	In-house test methods (Instructions for sampling and analysis of harmful substances in soil, BAFU)
		Cold vapor-AAS for Hg	EN 1483 In-house test methods
		pH-meter	DEV C5 In-house test methods
		Electrical conductivity	DEV C8
		Titration (neutralisation-, precipitation- and redox titration): - Acid and base - Halogenides - Carbonates	DEV D8 DEV D1-2 In-house test methods
	Photometry	DEV-procedures Commercial procedure (cuvette tests)	



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Metallic materials, plastics and composites	Gravimetry Mechanical properties: Brinell and Vickers hardness testing Static tensile test Tensile test perpendicular to the faces Fatigue testing Static mechanical loads on components Vibration tests on components and assemblies (constant and operating loads) Metallographic investigations: cross section preparation and grain size determination	DEV-procedure In-house test methods EN ISO 6506-1, ASTM E10, EN ISO 6507-1 EN ISO 6892-1, EN ISO 6892-2, ASTM 370, ASTM E8/E8M, DIN 50154 DIN 53292 ASTM E466, ISO 1099, DIN 50100 SOP-TEC-0037, internal procedures, customer test specification SOP-TEC-0037, internal procedures, customer test specification ASTM E3, ASTM E112
Packaging	Seal strength	ASTM F88, internal procedures, customer test specification

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

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



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Abbreviation	Signification
ASTM	American Society for Testing and Materials
BAFU	Bundesamt für Umwelt = Swiss Federal Office for the Environment (FOEN)
DEV	Deutsche Einheits-Verfahren (German standard methods)
DIN	Deutsche Industrie-Norm (German Industrial Standard(s))
F-AAS	Flame atomic absorption spectroscopy
GDMB	Gemeinschaft Deutscher Metallhütten- und Bergleute (Society for Mining, Metallurgy, Resource and Environmental Technology)
ICP	Inductively coupled plasma
ICP-MS	ICP-Mass Spectrometer
ICP-OES	ICP-Optical Emission Spectrometer
ISO	International Organization for Standardization

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