



STS Directory

Accreditation number: STS 0023

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

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Accredited for the first time: 24.06.1993
Current accreditation: 17.07.2022 to 16.07.2027
List see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation from 12.12.2025

Testing Laboratory for chemical, physical and mechanical testing of metallic materials, polymers and composite materials, environmental samples as well as elements in organic materials and salts

Group of materials or substances, field of activity	Measuring principle ³⁾ (characteristics, measuring ranges, types of testing)	Test methods, comments (national, international standards, in-house test methods)
Metallic materials	Sample preparation and treatment Mechanical preparation (such as cutting, milling, etc.)	In-house procedures
Metallic materials	Mechanical disintegration (such as milling, drilling etc.)	In-house procedures
Metallic materials	Digestion	In-house procedures
	Spectrometric methods	
Metallic materials	Spark spectrometric analysis for major and minor components	Standardized procedure
Metallic materials	F-AAS	In-house procedures
Metallic materials	ICP-OES	In-house procedures
Metallic materials	ICP-MS	In-house procedures



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Group of materials or substances, field of activity	Measuring principle ³⁾ (characteristics, measuring ranges, types of testing)	Test methods, comments (national, international standards, in-house test methods)
Metallic materials	Photometry	Procedure according to literature
Organic compounds, salts and solutions	ICP-OES	In-house procedures
Organic compounds, salts and solutions	ICP-MS	In-house procedures
	Wet chemical methods	
Organic compounds, salts and solutions	Titrimetry	In-house procedures
	Sample preparation	
Purified water, groundwater, wastewater and landfill leachate	Digestion	Standardized procedure
	Electrochemical method	
Aqueous solutions	Conductivity	Standardized procedure
	Mechanical tests	
Metallic Materials, Plastics and Composites	Mechanical characteristics: Brinell and Vickers hardness testing	Standardized procedure
Metallic Materials, Plastics and Composites	Static tensile test	Standardized procedure
Metallic Materials, Plastics and Composites	Tensile test perpendicular to the faces (head tensile test)	Standardized procedure
Metallic Materials, Plastics and Composites	Fatigue testing	Standardized procedure
Metallic Materials, Plastics and Composites	Static mechanical loads on components	Standardized and in-house procedures
Metallic Materials, Plastics and Composites	Vibration tests on components and assemblies (constant and operating loads)	Standardized and in-house procedures
Metallic Materials, Plastics and Composites	Metallographic examinations: cross section preparation and grain size determination	Standardized procedures
Packaging	Sealing strengths	Standardized and in-house procedures



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Ab-/adsorbents, filters and plant materials	Sample preparation Digestion, Elution and Extraction Spectrometric methods F-AAS	In-house procedures
Ab-/adsorbents, filters and plant materials	ICP-OES	In-house procedures
Ab-/adsorbents, filters and plant materials	ICP-MS	Standardized and in-house procedures
Ab-/adsorbents, filters and plant materials	Cold vapor AAS for Hg	Standardized and in-house procedures
Ab-/adsorbents, filters and plant materials	Wet chemical method Titrimetry	Standardized and in-house procedures
Ab-/adsorbents, filters and plant materials	Electrochemical method Potentiometry	Standardized and in-house procedures
Ab-/adsorbents, filters and plant materials	Physical-chemical method Gravimetry	Standardized and in-house procedures

The Testing Laboratory shall maintain a list of detailed information on the activities within the scope of the accreditation. This is available on request from the testing laboratory.

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

Abbreviation	Meaning
F-AAS	Flame Atomic Absorption Spectroscopy
ICP	Inductively coupled plasma
ICP-MS	ICP-Mass Spectrometer
ICP-OES	ICP-Optical Emission Spectrometer

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