



STS Directory

Accreditation number: STS 0125

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

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Internet: <http://www.rms-foundation.ch>
Initial accreditation: 05.09.1995
Current accreditation: 18.08.2020 to 17.08.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 06.06.2023

Testing laboratory for chemical and materialographic analyses as well as physical and mechanical testing of materials and medical devices

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)
METALLIC AND NON-METALLIC MATERIALS AND MEDICAL DEVICES	Chemical and physical analyses <ul style="list-style-type: none"> • X-ray spectroscopy (XRD, XRF, REM-EDX) • X-ray photoelectron spectroscopy (XPS) • Infrared spectroscopy (FTIR) • Mass spectrometry (ICP-MS) • Optical emission spectroscopy (OES) • Carrier gas hot extraction (CGHE) 	

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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	<ul style="list-style-type: none"> • Determination of carbon and nitrogen (TIC, TOC, TN) • Differential scanning calorimetry (DSC) • Determination of the specific surface area (BET-method) • pH measurement • Layer thickness and conductivity measurements • Gravimetric analyses (residual moisture, residue on ignition, density, cohesion test on cements / pastes, loss on ignition of calcium phosphates) • Corrosion measurements • Topography and roughness measurement • Dissolution tests and solubility product of calcium phosphates <p>Mechanical and physical analyses</p> <ul style="list-style-type: none"> • Tensile test • Compression test • Bending test • Torsion test • Notched-bar impact-bending test • Static and dynamic component tests • Wear tests • Hardness tests (Vickers / Shore) • Crack testing (penetration test) • Packaging test • Particle analyses (technical cleanliness, microscopic and SEM/EDX) 	

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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>analysis of particles after extraction and filtration, laser diffraction, sieve analysis)</p> <ul style="list-style-type: none"> • Contact angle measurement • Aging test • Failure analysis <p>Materialographic analysis</p> <ul style="list-style-type: none"> • Scanning electron microscopy (SEM) • Optical light microscopy • Image analytical investigations (macro- and microstructure, purity, porosity, coatings) 	

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