



## STS Directory

Accreditation number: **STS 0641**

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

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Initial accreditation: 09.06.2017  
Current accreditation: 09.06.2022 to 08.06.2027  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Accredited bodies)

### Scope of accreditation as of 10.11.2023

**Testing laboratory for sampling and analyses of air and building materials, soil, waste, analysis of asbestos and other respirable fibres as well as testing ambient air conditions**

Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<b>ASBESTOS</b>  <b>in building materials, technical products</b>	Building surveys, sampling of building materials and technical products	AW 10-1 In house methods based on VDI 3866 page1, EKAS/FCOS 6503
	<b>Optical analytical methods <sup>3)</sup></b>  Polarisation microscopy	AM 07-5 In house methods based on EPA 600/R-93/116
	<b>Electron-optical analytical methods</b>  Scanning electron microscopy (SEM - EDX)	AM 07-7 In house methods based on VDI 3866 page 5



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<p><b>ASBESTOS</b> <b>in air and ambient air</b></p>	<p>Sampling of respirable fibres and particles</p> <p><b>Electron-optical analytical methods</b> Scanning electron microscopy (SEM - EDX)</p>	<p>AW 10-5 In house methods based on VDI-3492, EKAS/FCOS 6503, ISO 14966, BGI 505-46 / DGUV 213-546</p> <p>AM 07-3 In house methods based on VDI 3492, ISO 14966, BGI 505-46 / DGUV 213-546</p>
<p><b>INORGANIC FIBRES</b> <b>n building materials, technical products</b></p>	<p>Building surveys, sampling of building materials and technical products</p> <p><b>Electron-optical analytical methods</b> Scanning electron microscopy (SEM - EDX)</p>	<p>AW 10-1 In house methods based on VDI 3866 page 1, EKAS/FCOS 6503</p> <p>AM 07-3 In house methods based on VDI 3492, BGI 505-46 / DGUV 213-546</p>
<p><b>in air and ambient air</b></p>	<p>Sampling of respirable fibres and particles</p> <p><b>Electron-optical analytical methods</b> Scanning electron microscopy (SEM - EDX)</p>	<p>AW 10-5 In house methods based on VDI-3492, ISO 14966, BGI 505-46 / DGUV 213-546</p> <p>AM 07-3 In house methods based on VDI 3492, BGI 505-46 / DGUV 213-546</p>



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<b>SOLIDS / TECHNICAL PRODUCTS</b>	<p><b>Qualitative und semi-quantitative elemental analysis / spectroscopy</b></p> <p>Scanning electron microscopy (SEM - EDX)</p> <ul style="list-style-type: none"> <li>- Surface characterization</li> <li>- Length and size measurement</li> <li>- Determination of particle size and shape</li> <li>- Particle analysis</li> </ul> <p><b>Quantitative gravimetric analysis</b></p> <p>Dry matter TS105 (gravimetric)</p>	<p>AM 07-7 In house methods based on DIN ISO 22309, VDI 3866 page 5</p> <p>AM 07-8 In house methods based on FOEN guideline UV-1715-D DIN EN 15935 SN EN 15169</p>
<b>MOLD</b>	<p>Sampling of mold spores on surfaces and in solids (analysis in an external laboratory)</p>	<p>In house procedure AW 10-8</p>
<b>AMBIENT AIR CONDITIONS</b> <b>In air and ambient air</b>	<p>Sampling and analysing ambient air volumes / indoor air quality</p> <p><b>Physical methods <sup>3)</sup></b></p> <ul style="list-style-type: none"> <li>- temperature</li> <li>- humidity</li> <li>- air pressure</li> </ul>	<p>In house procedures AW 10-5, AW 10-4, AW 10-7, AW 10-11</p> <p>AW 06-4 In house methods based on VDI 3492</p>
<b>Respirable &amp; inhalable dust</b>	<p><b>Dust sampling for respirable &amp; inhalable dust</b> on work places, in air and ambient air</p> <p>Particulate Matter Aerosols Metals</p> <p>Sampling for inhalable dust</p>	<p>AW 10-11 In house method based on EN 481, BGI 3005, 3010, 3020, 3040 und 0412/1</p>



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Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
<b>Gaseous components</b> on work places, in air and ambient air	Diesel exhaust	AW 10-11 In house method based on EN 481, BGI 3005, 3010, 3020, 3040 und 0412/1
	<b>Sampling and measurement of CO<sub>2</sub></b>	AW 6-16 In house method based on list of Swiss occupational exposure limits
<b>Radon</b> in ambient air	<b>Dust sampling for inhalable dust</b>	
	Dust and gases, containing PAH and PCB	AW 10-11 In house method based on EN 481 DIN EN ISO 12884, DIN EN ISO 16000-12, -13
	<b>Sampling by adsorbent tube</b>	
	Solvents VOC Formaldehyde Phenols Naphtalene Fire odorous substances Tricyclic PAH Carbon acids	AW 10-7 In house method based on VDI 2100:2, VDI 3862:3
	<b>Sampling</b>	
	Passive sampling by radon dosimeter	AW 10-12 In house method based on Guidelines given by the FOPH, RPO, StMmV
	Active sampling by radon measurement devices	

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

Abbreviation	Signification
BGI	Berufsgenossenschaftliche Informationen
BfS	Bundesamt für Strahlenschutz der Bundesrepublik Deutschland
DIN	Deutsches Institut für Normung
EKAS	Eidgenössische Koordinationskommission für Arbeitssicherheit
EPA	Environmental Protection Agency (USA)
FCOS	Federal coordination commission for occupational safety

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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Abbreviation	Signification
FOEN	Federal Office for the Environment
FOPH	Federal Office of Public Health
ISO	International Organization for Standardization
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
RPO	Radiological Protection Ordinance 814.501
SEM - EDX	Scanning electron microscopy with energy-dispersive X-ray spectroscopy
StMmV	Verordnung des EJPD über Messmittel für ionisierende Strahlung 941.210.5
VDI	Verein Deutscher Ingenieure
VOC	Volatile organic compounds
XRF	X-ray fluorescence spectroscopy

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