



STS Directory

Accreditation number: STS 0641

International standard: ISO/IEC 17025:2005
Swiss standard: SN EN ISO/IEC 17025:2005

Jehle Umweltdienste GmbH
Rheinweg 5
4322 Mumpf
Switzerland

Head: Clemens Jehle
Responsible for MS: Clemens Jehle
Telephone: +41 62 873 55 65
E-Mail: <mailto:info@jehle-umweltdienste.ch>
Internet: <http://www.jehle-umweltdienste.ch>
Initial accreditation: 09.06.2017
Current accreditation: 09.06.2017 to 08.06.2022
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 11.05.2018

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 ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
ASBESTOS in building materials, technical products	Building surveys, sampling and analysis of building materials and technical products ^{*)}	AM 07-7 In house methods based on VDI 3866 page1, EKAS/ FCOS 6503
	Optical methods ^{*)} Polarisation microscopy	AM 07-5 In house methods based on EPA 600/R-93/116
	Electron-optical methods Scanning electron microscopy (SEM - EDX)	AM 07-7 In house methods based on VDI 3866 page 5



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



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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)
<p>SOLIDS / TECHNICAL PRODUCTS</p>	<p>Qualitative und semi-quantitative elemental analysis / spectroscopy</p> <p>Scanning electron microscopy (SEM - EDX)</p> <ul style="list-style-type: none"> - Surface characterisation - Length and size measurement - Determination of particle size and shape 	<p>AM 07-7 In house methods based on DIN ISO 22309, VDI 3866 page 5</p>
<p>HEAVY METALS</p> <p>in building materials, excavated materials, soils</p>	<p>Sampling, sample preparation and analyses ^{*)}</p> <p>Spectroscopic methods ^{*)}</p> <p>X-ray fluorescence spectroscopy (XRF)</p> <p>Mercury by atom fluorescence spectroscopy (AFS)</p>	<p>AM 07-2 In house methods based on EPA 6200, DIN 51418-2</p> <p>AM 07-4 In house methods based on EPA 7473</p>
<p>AMBIENT AIR CONDITIONS</p> <p>in air and ambient air</p>	<p>Sampling and analysing ambient air volumes / indoor air quality ^{*)}</p> <p>Physical methods ^{*)}</p> <ul style="list-style-type: none"> - temperature - humidity - air pressure 	<p>AM 07-3 In house methods based on VDI 3492</p>

^{*)} These methods are executed in the mobile laboratory



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Abbreviation	Signification
BGI	Berufsgenossenschaftliche Informationen
DIN	Deutsches Institut für Normung
EKAS	Eidgenössische Koordinationskommission für Arbeitssicherheit
EPA	Environmental Protection Agency (USA)
FCOS	Federal coordination commission for occupational safety
ISO	International Organization for Standardization
SEM - EDX	Scanning electron microscopy with energy-dispersive X-ray spectroscopy
VDI	Verein Deutscher Ingenieure
XRF	X-ray fluorescence spectroscopy

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