



## STS Directory

Accreditation number: **STS 0619**

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

SMB Medical SA  
Testing laboratory  
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Internet: <http://smb-medical.com>  
Initial accreditation: 08.01.2016  
Current accreditation: 08.01.2021 to 07.01.2026  
Scope of accreditation see: [www.sas.admin.ch](http://www.sas.admin.ch)  
(Akkreditierte Stellen)

### Scope of accreditation as of 04.04.2022

#### Testing laboratory for mechanical, metallographical tests on metals, Non-destructive testing – Penetrant testing on metals

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>Metals</b>	<b>Mechanical testing</b> Tensile test 150 KN  Hardness test	DIN EN ISO 6892-1 ASTM E8/E8M  Brinell VDI/VDE 2616  Rockwell DIN EN ISO 6508-1
<b>Metals</b>	<b>Metallography (Micro- and Macrostructure)</b>  Metallographic Specimen Preparation	ASTM E3 ASTM E407 ASTM E340
<b>Metals</b>	Classification of macrostructure by comparison with photographs	ASTM E381 ASTM A604 AMS 2380 ETTC 3



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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>Metals</b>	Determination Average Grain Size using Comparison charts	DIN EN ISO 643 ASTM E112
	Determination Average Grain Size Using Semiautomatic and Automatic Image Analysis	ASTM E1382
	Characterizing Duplex Grain Sizes	ASTM E1181
	Classification of microstructures for alpha+beta titanium alloy by comparison with photomicrographs	ISO 20160 ETTC 2 EN 3114
	Determination of Delta Ferrite Content with Image Analysis Method	AMS 2315
	Measurement of coating thickness – microscopical method	DIN EN ISO 1463
	Determination of decarburization – microscopic examination	DIN EN ISO 3887
	Quantitative microscopic examination of non-metallic inclusions	DIN 50602 (withdrawn) ASTM E45
	<b>Non-destructive testing – Penetrant testing - stationary</b>	
	Non-destructive testing – Penetrant testing	EN ISO 3452-1
Non-destructive testing of steel forging – Penetrant testing	EN 10228-2	
Non-destructive testing – Liquid penetrant inspection of metallic surgical implants	ISO 9583	

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