



SPTS Directory

Accreditation number: SPTS 0007

International standard: ISO/IEC 17043:2010
Swiss standard: SN EN ISO/IEC 17043:2010

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Initial accreditation: 22.01.2019
Current accreditation: 22.01.2024 to 21.01.2029
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 22.01.2024

Proficiency testing provider for elemental analytics, mechanical testing, hardness testing, metallography, plastics analysis, corrosion tests, particle size analysis and non-destructive tests

Technical Fields / Individual products or group of products	Individual property or group of properties ^{1) / 2)}	Name of the scheme
Elemental analysis		
Metallic samples	Determination of the element contents including N, O, H ²⁾	Available at: https://swissproficiency.com/programm/
Composite samples of metal and ceramics	Element contents in wt.% by microrange analysis WDX, EDX ²⁾	
Multicomponent powder mixture of different oxides	Phase identification of the crystalline solids present by X-ray diffraction (XRD) ²⁾	
Polymers and composites	Glass transition temperature (DSC) ¹⁾ Thermogravimetry (TGA) ¹⁾ Fourier transform infrared spectrometry (FTIR) ¹⁾ Density determination ¹⁾	



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Mechanical tests (destructive tests) Metallic materials Steel alloys Polymers Composite	<ul style="list-style-type: none"> - Tensile test on according to ISO 6892-1²⁾ - Hot tensile test on steel according to ISO 6892-2²⁾ - Notched bar impact test according to ISO 148-1²⁾ Hardness test ²⁾ <ul style="list-style-type: none"> - according to Brinell - according to Vickers - according to Rockwell 	Available at: https://swissproficiency.com/programm/
Non-destructive testing on materials	Volume and surface testing by ultrasonic testing ²⁾ industrial computed tomography ²⁾	Available at: https://swissproficiency.com/programm/
Corrosion tests	Determination of corrosion rate - properties by salt spray testing and other media ²⁾	Available at: https://swissproficiency.com/programm/
Metallography	Grain size determination according to ISO 643 ²⁾ Microstructure of cast iron - Graphite classification according to ISO 945-1 ²⁾ Determination of the phase fraction in metal alloys ²⁾	Available at: https://swissproficiency.com/programm/

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

The proficiency testing provider maintains a list with detailed information on the proficiency tests offered within the scope of accreditation. This list is available on request from the proficiency testing provider

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