



Schweizerische Eidgenossenschaft

Confédération suisse

Confederazione Svizzera

Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER

State Secretariat for Economic Affairs SECO

Swiss Accreditation Service SAS

STS Directory

Accreditation number: STS 0053

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

EMPA
Swiss Federal Laboratories for
Materials Testing and Research
Laboratory 304
Mechanical Systems Engineering
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Initial accreditation: 15.03.1994
Current accreditation: 15.06.2024 to 14.06.2029
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 15.06.2024

Testing laboratory for mechanical testing of metallic materials, structural components and constructions, medical components

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)
Tests on metallic materials and Composites - Structural steels - Reinforcing steels - Coupled reinforcing steel with mechanical fasteners - Prestressing steels - Prestressing systems - Structural components	Mechanical testing Test methods for strength and ductility (tension, compression, bending, torsion etc.) Tensile test on metallic materials at room temperature Tensile test on reinforcing steel	EN ISO 6892, Part 1 SOP no 01'672 SIA 262 EN ISO 15630, Part 1 EN 10080 EN ISO 6892, Part 1 SOP no 01'627



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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)
Tests on metallic materials and Composites	Bend-rebend test on reinforcing steel with aging Shear test on the welded joints of welded wire mesh Tensile test on prestressing steel Fatigue testing on prestressing steel Fatigue testing on reinforcing steel Constant amplitude fatigue test, general Constant amplitude fatigue test Static strength tests Ropeway components Toughness testing methods Deflected tensile test on prestressing strands	SIA 262 EN 10080 SOP no 01'629 SIA 262/1 EN ISO 15630, Part 2 SOP no 01'632 SIA 262/1 (Fpr)EN 10138, Part 1 - 4 EN ISO 6892, Part 1 EN ISO 15630, Part 3 EAD 160004-00-0301 PTI 1998 Edition: M50.1 SOP no 02'187 SIA 262/1 (Fpr)EN 10138, Part 1 - 4 EN ISO 15630, Part 3 SOP no 02'568 SIA 262/1 EN 10080 EN ISO 15630, Part 1 & 2 SOP no 01'729 DIN 50100 ISO 1099 / ASTM E 466 ISO 1352 DIN 50142 DIN 50113 / ISO 1143 SOP no 03'002 SN EN 13796-3 SOP no 02'543 SOP no 03'003 SIA 262/1 (Fpr)EN 10138, Part 1 - 4 DIN EN ISO 15630, Part 3 DIN EN ISO 15630 Part 3 SOP no 02'183



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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)
	Other test methods Mass per meter of reinforcing steel	SIA 262/1 EN ISO 15630, Part 1 EN 10080 SOP no 01'626
Tests on metallic materials and Composites	Mass per meter of prestressing steel Determination of relative rib area on reinforcing steel	SIA 262/1 EN 10138, Part 1 - 4 EN ISO 15630, Part 3 SOP no 02'186 SIA 262/1 EN ISO 15630, Part 1 SOP no 00'807
Medical components - implants	Mechanical Testing of medical components - implants	DIN 50100 EN ISO 14801 ASTM F 1717 ISO 7206, Part 4, 6, 10 SOP no 00'817

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. The list is available upon request at the laboratory.

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

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