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 0403

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

Eurofins Qualitech AG
Testing laboratory
Almuesenacherstrasse 3
CH-5506 Mägenwil

Site 1
Eurofins Qualitech AG
9423 Altenrhein

Site 2
Eurofins Qualitech AG
2555 Brügg

Site 3
Eurofins Qualitech AG
8404 Winterthur

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Initial accreditation:	18.03.2004
Current accreditation:	07.11.2023 to 06.11.2028
Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 09.04.2024

Testing laboratory for Non-destructive and destructive testing of materials and components made of metal, ceramics, polymers as well as welding procedures for pressure equipment

Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metals, polymers, ceramics, composites, various assemblies	**Non-destructive materials testing by means of industrial computed tomography (iCT)** At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	**General** ASTM E1441 ASTM E1570 ASTM E1695 ASTM E1814 EN 16016-1 EN 16016-2 EN 16016-3 EN 16016-4 ISO 15708-1 ISO 15708-2

1) Scope of accreditation type A (fix)
2) Scope of accreditation type B (flexible)
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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
	Radiographic testing RT - X-ray tubes up to 450 kV - Cobalt 60 - Iridium 192 - Selen 75 At sites: - Mägenwil - Altenrhein **(without cobalt)** - Brügg - Winterthur **Radioscopic testing** With X-ray systems up to160 kV At sites: - Mägenwil Digital X-ray (radiography) at sites: - Mägenwil - Winterthur - Altenrhein - Brügg	**Castings** EN 12681-1 EN 12681-2 **Welded products** EN ISO 17636-1 EN ISO 17636-2 EN 1435a) EN ISO 10675-1 EN ISO 10675-2 EN 12517-1/-2-a) **Pipes and piping** EN ISO 10893-6 EN ISO 10893-7 **Thermopolymers** EN 13100-2 **Brazed joints** EN 12799 EN ISO 18279 Further applicable standards, guidelines, etc. - ASME Sec. V Art. 2 - AD2000 - ERI code of practice - SVTI etc. - EN 13068-3

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Metals, polymers	**Ultrasonic testing UT:** - Pulse-echo method - Transmission method - Time-of-flight diffraction method (TOFD) - phased array technique with various ultrasound devices At sites: - Mägenwil - Altenrhein - Brügg - Winterthur **Immersion technique** At site: - Winterthur	**General** EN ISO 16810 EN ISO 16811 EN ISO 16823 EN ISO 16826 EN ISO 16827 EN ISO 16828 **Castings** EN 12680-1/-2/-3 **Forgings** EN 10228-3/-4 **Welded products** EN ISO 17640 EN ISO 10863 EN ISO 13855 EN ISO 22825 EN ISO 11699 EN ISO 23279 EN ISO 15626 AD2000 HP5/3 AD2000 HP5/3 Anl.1 **Pipes and pipelines** EN ISO 10893-8/-9/-10/-11 **Rolled products** EN 10307 EN 10308 EN 10160 **Thermopolymers** EN 13100-3 **Brazed joints** EN 12799 EN ISO 18279 **Other standards to be applied** ASME Sec. V Art. 4 ASME Sec. V Art. 5 DIN 54123 SEP 1920, etc.

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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metals	**Wall-thickness measurement by ultrasonics** with various ultrasound devices At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	EN 14127
	Penetrant testing PT: - Fluorescent penetrant - Dye penetrant At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	**General** EN ISO 3452-1 EN ISO 3452-5 EN ISO 3452-6 **Castings** EN 1371-1/-2 **Forgings** EN 10228-2 **Welded products** EN ISO 3452-1 EN ISO 23277 **Pipes and pipelines** EN ISO 10893-4 **Brazed joints** EN 12799 EN ISO 18279 **Other standards to be applied** ASME Sec. V Art. 6 ASTM E 1417 MIL STD 6866 etc.
Ferromagnetic Metals	**Magnetic particle testing MT:** - - Stationary equipment - - Magnetic yoke - - Portable equipment At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	**General** EN ISO 9934-1 **Castings** EN 1369 **Forging** EN 10228-1 **Welded products** EN ISO 17638 EN ISO 23278 **Pipes and pipelines** EN ISO 10893-5

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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
		Other standards to be applied ASME Sec. V Art. 7 ASTM E 1444 DIN 54136-1 etc.
Metals	**Eddy current testing ET:** **- Stationary equipment** **- Portable equipment** At sites: - Mägenwil - Altenrhein - Winterthur	**General** EN ISO 15549 **Welded products** EN ISO 17643 **Pipes and pipelines** EN ISO 10893-2 EN 1971-1/-2
Metals, polymers, steel cables	**Visual testing VT:** - Direct visual inspection with and without aids At sites: - Mägenwil - Altenrhein - Brügg - Winterthur Note: Basically, all NDT methods (VT, RT, UT, MT, PT, ET) on all components (weldments, castings, forgings, sheets, pipes, etc.) can be performed both in-house and on-site at the client's facility	**General** EN 13018 **Castings** EN 1370 **Welded products** EN ISO 17637 **Thermoppolymers** EN 13100-1 **Brazed joints** EN 12799 **Other standards to be applied b) c)** ASME Sec. V Art. 9, etc.

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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metals	**PMI Positive Material Identification** In-house and portable on-site at the customer's facility: - Mägenwil - Winterthur - Altenrhein - Brügg	
	Optical emission spectrometry (OES)	DIN 51008-1
	Optical atomic spectral analysis	DIN 51009
	X-ray fluorescence analysis At site: - Altenrhein	DIN 51418-1/-2
Metals, layers	**Hardness measurement stationary** At sites: - Mägenwil - Winterthur	
	Hardness measurement portable At sites: - Mägenwil - Altenrhein - Brügg - Winterthur Note: Hardness tests are also carried out by the Materials and Failure Analysis Department	
	Brinell HB (stationary)	EN ISO 6506-1 to -4 ASTM E10
	Vickers HV (stationary) Note: In Mägenwil starting from HV5	EN ISO 6507-1 to -4 ASTM E384 EN ISO 2639 EN 10328
	Rockwell HRc (stationary)	EN ISO 6508-1 to -4 ASTM E18
	Hardness test for bearing metals	ISO 4384-1/-2

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Group of products or materials, field of activity	Measurement principle [n)] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metals, polymers	**Notched bar impact strength, tensile and compressive strength tests** At sites: - Mägenwil - Winterthur	
	Notched-bar impact test - Temp. -269°C , -196°C and -80°C to +250°C in Winterthur - Temp. -40°C to RT in Mägenwil - (Undersized samples) in Winterthur	EN ISO 14556 EN ISO 148-1 EN ISO 9016 ASTM E23 DIN 50115
	Tensile and compressive strength testing on steel - Temp. -196°C and -80°C to +1000°C in Winterthur	EN ISO 4136 EN ISO 6892-1/-2 DIN 50106 ASTM E8 ASTM E21
	Tensile and compressive strength testing on polymers Temp. -80°C to +250°C in Winterthur	EN ISO 527-1 to -3 ASTM D638 ASTM D412
Metals	**Technological tests** At sites: - Mägenwil - Winterthur	
	Aufschweissbiegeversuch (AUBI; no translation)	SEP 1390
	Tube flattening test	EN ISO 8492
	Tube drift-expanding tests Site: Winterthur	EN ISO 8493
	Tube ring-expanding test Site: Winterthur	EN ISO 8495
	Tube ring tensile test Site: Winterthur	EN ISO 8496
	Bend test (three- and four-point) Site: Winterthur	EN ISO 7438
	Bend test (welds)	EN ISO 5173

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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Metals, polymers	**Technological tests** Site: - Winterthur	
	Drop weight test (Pellini test)	SEP 1325 ASTM E208
	Component tests - Threshold load tests Info: <2 Hz, Temp. -80°C to +1200°C Site: - Winterthur	DIN 50100
	Materials and failure analysis 3) Site: - Winterthur	
Metals and polymers	**Surface replica method** Field replicas (no assessment and no evaluation on-site)	DIN 54150 ASTM E1351
Metals	**X-ray fluorescence analysis**	AP_13_17
Metals, polymers and ceramics	**Electron beam microanalysis**	AP_13_19
Metals	**Hot gas extraction analysis**	AP_13_21 AP_13_22
	Combustion analysis	AP_13_23
All solid materials	**Scanning electron microscopy** Topography of surfaces and fracture surfaces; semi-quantitative elemental analyses using EDX analyzer.	AP_13_18
	Particle size analysis	AP_13_70
All crystalline substances	**X-ray diffraction**	AP_13_20
	Metallographic testing At sites: - Mägenwil - Winterthur	

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Metals, polymers and ceramics	**Macro- and microsections**	EN ISO 3887 EN ISO 1463 ISO 4967 ISO 4505 EN ISO 945-1 DIN 50600 EN 10247 EN ISO 643 ASTM A247 ASTM E112 AP_13_04 ASTM E45 ISO 18265 ISO 4968 ASTM E407 DVS 2310-1 to -3 VdTÜV 451
Metals	**Determination of delta ferrite content in austenitic weld metal**	EN ISO 17655 DVS 1005
	Corrosion tests At sites: - Winterthur	
Metals	**Examination for intercrystalline corrosion**	EN ISO 3651-1 and -2; SEP 1877, a.o. ASTM A262 Method A-E ASTM G28 Method A and B AP_13_33 AP_13_34
	Corrosion tests At sites: - Winterthur	
	Pitting and crevice corrosion	ASTM G48 AP_13_35
	Salt spray test and condensation water test	EN ISO 7253 EN ISO 9227 DIN 50021 ASTM B117 AP_13_32 AP_13_39
	Other tests At locations: - Winterthur	

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Group of products or materials, field of activity	Measurement principle [n)] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Polymers and other organic materials	**DSC analysis on solids and liquids**	DIN EN ISO 11357-1 to -3 ASTM D3418 ASTM F2625 AP_13_36
	TGA analysis on solids and liquids	DIN EN ISO 11358 AP_13_37
	Fourier Transformed Infrared Spectroscopy (FTIR)	AP_13_38
	Fourier Transformed Infrared Spectroscopy (Mikro-FTIR)	AP_13_60
	Hardness Measurement, Shore A and D	DIN EN ISO 868 ASTM D2240 AP_13_98
	Compression Set	DIN ISO 815-1 ASTM D395 AP_13_97
Water samples and other liquids	**Measurement of the m-value**	AP_13_27_V1
	Measurement of the p-value	AP_13_28_V1
	Measurement of the pH-value of aqueous solutions	AP_13_29_V1
	Measurement of the electrical conductivity of aqueous solutions	AP_13_29_V2
	Photometric measurement of ions in water	AP_13_30_V1
	Total water hardness	AP_13_31
Air samples	**Measurement of asbestos fiber concentration in air**	AP_13_24 VDI 3492
Welding and brazing processes for the fabrication of pressure equipment	**NDT and metallographic examinations** At sites: - Mägenwil	

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Group of products or materials, field of activity	Measurement principle [n] (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
General principles Industry Sectors:	**NDT: UT, RT, ET, PT, MT, VT, CR**	
- Service inspection in manufacturing and maintenance	At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	according to standard EN ISO 9712, Annex A
Aerospace		The test center is approved by FOCA according to EASA 145.0226, Part. 145 (Date 24.09.2004) for: - Class: Specialized Services - Rating D1 NDT - UT, RT, ET, PT, MT The test center in Winterthur is certified according to Nadcap
Product Sectors:	**NDT: UT, RT, ET, PT, MT, VT, CR**	
- Castings (c) (ferrous and non-ferrous materials); - Forgings (f) (all types of forgings, ferrous and non-ferrous materials); - Welded products (w) (all types of welded joints, including brazing, for ferrous and non-ferrous materials); - Tubes and pipes (t), (seamless, welded, ferrous and non-ferrous materials, including flat products for the production of welded tubes); - Rolled products (wp) except forgings (e.g. flat products, bars, rods); - Composite materials (p)	At sites: - Mägenwil - Altenrhein - Brügg - Winterthur	according to standard EN ISO 9712, Annex A

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

Abbreviation	Signification
a)	Test standard withdrawn; however, test requests continue to be made
AD	Administration
AP	Work / test instruction
ASTM	American Society for Testing and Materials

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Abbreviation	Signification
FOCA	Federal Office of Civil Aviation
DVS	Deutscher Verband für Schweissen und verwandte Verfahren (German Welding Society)
EASA	European Aviation Safety Agency
ERI	Eidgenössisches Rohrleitungsinspektorat (no English translation)
ET	Eddy current testing
MT	Magnetic particle inspection
NDT	Non-destructive materials testing
OES	Optical emission spectrometry
PED	Pressure Equipment Guideline
PT	Penetrant testing
SEM	Scanning electron microscopy
RT	X-ray (radioscopic) testing
SVTI	Schweizerischer Verein für technische Inspektionen (no English translation)
UT	Ultrasonic testing
VT	Visual testing

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