



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

SCS Directory

Accreditation number: SCS 0075

International standard: ISO/IEC 17025:2017

Swiss standard: SN EN ISO/IEC 17025:2018

Paul Scherrer Institut
Department of Radiation
Safety and Security
Calibration Laboratory
Forschungsstrasse 111
5232 Villigen PSI

Head: Dr. Małgorzata Kasprzak
Responsible for MS: Dr. Veronika Heber
Telephone: +41 56 310 46 85
E-Mail: malgorzata.kasprzak@psi.ch
Internet: <https://www.psi.ch>
Initial accreditation: 19.03.1997
Current accreditation: 18.09.2022 to 17.09.2027
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 18.09.2022

Calibration laboratory for measuring instruments used for radiation protection

Calibration and Measurement Capability (CMC)

Type of radiation	Source of radiation	Measured quantity	Measuring range	Best Measurement Uncertainty \pm ¹⁾	Remarks
Photons	Cs-137	Dose equivalent a,b	150 nSv/h ... 1.5 μ Sv/h $> 1.5 \mu$ Sv/h ... 3 Sv/h	5 % 3 %	8 sources
	Co-60	Dose equivalent a,b	15 μ Sv/h ... 3 Sv/h	3 %	3 sources
	X-Ray unit	Dose equivalent a,b	50 μ Sv/h ... 70 mSv/h	3 %	12 keV ... 250 keV
Neutrons	Am-Be	Dose equivalent a	20 μ Sv/h ... 1.0 mSv/h	7 %	



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Type of radiation	Source of radiation	Measured quantity	Measuring range	Best Measurement Uncertainty \pm ¹⁾	Remarks
α -, β -, γ -, x -emitters	Am-241 I-129 Co-60 Co-57 Cs-137 K-40 Ba-133 Eu-152 Pu-239	Activity	10 Bq ... 400 kBq	7 %	Activity in non-standard geometrie (phantoms)
α -, β -, γ -, x -emitters	Am-241 C-14 Tc-99 Cl-36 Sr/Y-90 Fe-55 I-129 Co-57 Cs-137 Co-60	Activity per unit area	0.1 Bq/cm ² ... 5 kBq/cm ²	7%	Based on the Swiss standard procedure (PSI Report No 07-01, 2007, ISSN 1019-0643) other nuclides are possible to determine
β - emitters	H-3	Activity per unit volume	0.1 MBq/m ³ ... 100 MBq/m ³	10 %	

^a $H_p(10)$, $H^*(10)$

^b $H_p(0.07)$, $H'(0.07)$

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

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