



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. 79/2026

VF, a.s.
with registered office Svitavská 588, 679 21 Černá Hora
Company Registration No. 25532219

for the Calibration Laboratory No. 2336
VF Calibration Laboratory

Scope of accreditation:

Calibration in the field of atomic and nuclear physics - ionising radiation to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 148/2025 of 26/03/2025, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **26/03/2030**

Prague: 16/02/2026



Signed in the Czech original:
Jan Velíšek on 16/02/2026

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

VF, a.s.
CAB number 2336, VF Calibration Laboratory
Svitavská 588, 679 21 Černá Hora

CMC for the field of measured quantity: Quantities of atomic and nuclear physics

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
1	Kerma in air (Ka) / Meters of ionizing radiation dosimetry quantities	200·10 ⁻⁹ Gy	to	110·10 ⁻⁸ Gy			3,9 %	Measurement on the OG-8 irradiator	VF 1Q-3P2-0101	
		110·10 ⁻⁸ Gy	to	300·10 ⁻⁷ Gy		2,2 %				
		300·10 ⁻⁷ Gy	to	120·10 ⁻⁵ Gy		2,5 %				
		120·10 ⁻⁵ Gy	to	300 Gy		2,2 %				
	Kerma rate in air (p Ka) / Meters of ionizing radiation dosimetry quantities	300·10 ⁻⁹ Gy·h ⁻¹	to	120·10 ⁻⁷ Gy·h ⁻¹	Position OG-8 ⁴	4	2,2 %	Measurement on the OG-8 irradiator	VF 1Q-3P2-0101	
			5	3,9 %						
			7	4,9 %						
			120·10 ⁻⁷ Gy·h ⁻¹	to	710·10 ⁻⁷ Gy·h ⁻¹	4	2,2 %			
		710·10 ⁻⁷ Gy·h ⁻¹	to	150·10 ⁻⁵ Gy·h ⁻¹	5	3,9 %				
			1	2,5 %						
		150·10 ⁻⁵ Gy·h ⁻¹	to	290·10 ⁻⁴ Gy·h ⁻¹	4	2,2 %				
			1	2,5 %						
290·10 ⁻⁴ Gy·h ⁻¹	to	970·10 ⁻³ Gy·h ⁻¹	3	2,2 %						
	2	2,2 %								
Spatial dose equivalent (H*(10)) / Meters of ionizing radiation dosimetry quantities	970·10 ⁻³ Gy·h ⁻¹	to	9 Gy·h ⁻¹	3	2,2 %	Measurement on the OG-8 irradiator	VF 1Q-3P2-0101			
		2	2,2 %							
	241·10 ⁻⁹ Sv	to	132·10 ⁻⁸ Sv		3,9 %					
		132·10 ⁻⁸ Sv	to	361·10 ⁻⁷ Sv					2,2 %	
361·10 ⁻⁷ Sv	to	144·10 ⁻⁵ Sv		2,5 %						
	144·10 ⁻⁵ Sv	to	360 Sv		2,2 %					

The Appendix is an integral part of
Certificate of Accreditation No.: 79/2026 of 16/02/2026

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

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Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location		
		min	unit	max	unit							
	Spatial dose equivalent rate (H*(10)) / Meters of ionizing radiation dosimetry quantities	361·10 ⁻⁹ Sv·h ⁻¹	to	144·10 ⁻⁷ Sv·h ⁻¹	Position		Measurement on the OG-8 irradiator	VF 1Q-3P2-0101				
					OG-8 ⁴							
					4					2,2 %		
		5	3,9 %									
		7	4,9 %									
		144·10 ⁻⁷ Sv·h ⁻¹	to	855·10 ⁻⁷ Sv·h ⁻¹	4					2,2 %		
					5					3,9 %		
855·10 ⁻⁷ Sv·h ⁻¹	to	181·10 ⁻⁵ Sv·h ⁻¹	1	2,5 %								
			4	2,2 %								
181·10 ⁻⁵ Sv·h ⁻¹	to	349·10 ⁻⁴ Sv·h ⁻¹	1	2,5 %								
			3	2,2 %								
349·10 ⁻⁴ Sv·h ⁻¹	to	117·10 ⁻² Sv·h ⁻¹	2	2,2 %								
			3	2,2 %								
117·10 ⁻² Sv·h ⁻¹	to	10,8 Sv·h ⁻¹	2	2,2 %								
	Personal dose equivalent (Hp(10)) / Meters of ionizing radiation dosimetry quantities	243·10 ⁻⁹ Sv	to	134·10 ⁻⁸ Sv			Measurement on the OG-8 irradiator	VF 1Q-3P2-0101				
					134·10 ⁻⁸ Sv					to	365·10 ⁻⁷ Sv	3,9 %
					365·10 ⁻⁷ Sv					to	146·10 ⁻⁵ Sv	2,2 %
					146·10 ⁻⁵ Sv					to	365 Sv	2,5 %
					2,2 %							
	Personal dose equivalent rate (p Hp(10)) / Meters of ionizing radiation dosimetry quantities	365·10 ⁻⁹ Sv·h ⁻¹	to	146·10 ⁻⁷ Sv·h ⁻¹	Position		Measurement on the OG-8 irradiator	VF 1Q-3P2-0101				
					OG-8 ⁴							
					4					2,2 %		
		5	3,9 %									
		7	4,9 %									
		146·10 ⁻⁷ Sv·h ⁻¹	to	863·10 ⁻⁷ Sv·h ⁻¹	4					2,2 %		
					5					3,9 %		
863·10 ⁻⁷ Sv·h ⁻¹	to	182·10 ⁻⁵ Sv·h ⁻¹	1	2,5 %								

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Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Location
		min	unit	max	unit					
		182·10 ⁻⁵ Sv·h ⁻¹	to	352·10 ⁻⁴ Sv·h ⁻¹		4 1 3	2,2 % 2,5 % 2,2 %			
		352·10 ⁻⁴ Sv·h ⁻¹	to	118·10 ⁻² Sv·h ⁻¹		2 3	2,2 % 2,2 %			
		118·10 ⁻² Sv·h ⁻¹	to	10,8 Sv·h ⁻¹		2	2,2 %			
	Photon dose equivalent (Hx) / Meters of ionizing radiation dosimetry quantities	228·10 ⁻⁹ Sv	to	126·10 ⁻⁸ Sv			3,9 %	Measurement on the OG-8 irradiator	VF 1Q-3P2-0101	
		126·10 ⁻⁸ Sv	to	342·10 ⁻⁷ Sv			2,2 %			
		342·10 ⁻⁷ Sv	to	137·10 ⁻⁵ Sv			2,5 %			
		137·10 ⁻⁵ Sv	to	342 Sv			2,2 %			
	Photon dose equivalent rate (p Hx) / Meters of ionizing radiation dosimetry quantities	342·10 ⁻⁹ Sv·h ⁻¹	to	137·10 ⁻⁷ Sv·h ⁻¹	Position OG-8 ⁴	4 5 7	2,2 % 3,9 % 4,9 %	Measurement on the OG-8 irradiator	VF 1Q-3P2-0101	
		137·10 ⁻⁷ Sv·h ⁻¹	to	810·10 ⁻⁷ Sv·h ⁻¹		4 5	2,2 % 3,9 %			
		810·10 ⁻⁷ Sv·h ⁻¹	to	171·10 ⁻⁵ Sv·h ⁻¹		1 4	2,5 % 2,2 %			
		171·10 ⁻⁵ Sv·h ⁻¹	to	331·10 ⁻⁴ Sv·h ⁻¹		1 3	2,5 % 2,2 %			
		331·10 ⁻⁴ Sv·h ⁻¹	to	111·10 ⁻² Sv·h ⁻¹		2 3	2,2 % 2,2 %			
		111·10 ⁻² Sv·h ⁻¹	to	10,3 Sv·h ⁻¹		2	2,2 %			

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		min	unit	max	unit					
2*	Surface activity of alpha radionuclides (As) /Meters of contamination	7·10 ⁻¹ Bq·cm ⁻²	to	2,5·10 ³ Bq·cm ⁻²		1,4 %	Measurements using planar sources of ionizing radiation	VF 1Q-3P2-0102		
	Aktivita of alpha radionuclides (A) / /Meters of contamination	20 Bq	to	2·10 ⁵ Bq		1,4 %	Measurements using planar sources of ionizing radiation	VF 1Q-3P2-0102		
	Surface activity of beta radionuclides (As) / /Meters of contamination	2,5·10 ⁻¹ Bq·cm ⁻²	to	2,5·10 ⁶ Bq·cm ⁻²		1,4 %	Measurements using planar sources of ionizing radiation	VF 1Q-3P2-0102		
	Aktivita of beta radionuclides (A) / /Meters of contamination	4·10 ¹ Bq	to	2·10 ⁶ Bq		1,4 %	Measurements using planar sources of ionizing radiation	VF 1Q-3P2-0102		
3*	Kerma in air (Ka) /Meters of ionizing radiation dosimetry quantities	8·10 ⁻² Gy	to	2,5·10 ⁴ Gy		5,4 %	Measurements using a comparator	VF 1Q-3P2-0103		
	Kerma rate in air (p Ka) / Meters of ionizing radiation dosimetry quantities	5 Gy·h ⁻¹	to	2,5·10 ⁴ Gy·h ⁻¹		5,4 %	Measurements using a comparator	VF 1Q-3P2-0103		

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

³ If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

⁴ OG-8 is gamma irradiator, the number indicates the scaled radionuclide source in the irradiator

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "