

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-K-15049-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 2016-02-09 to 2021-02-08

Date of issue: 2016-02-09

Holder of certificate:

**IBA Dosimetry GmbH**  
**Bahnhofstr. 5, 90592 Schwarzenbruck**

Head:

Dipl.-Ing. František Gábriš

Deputy:

Dipl.-Ing. Pavol Pribylský

Dr. rer. nat. Jozef Zeman

Accredited since: 2006-03-13

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Calibrations in the fields:

**Electrical quantities**

**DC and low frequency quantities**

- DC current

**Ionising radiation and radioactivity**

- Dosimetry
- Radiation protection

**Permanent Laboratory**

Measured quantity / Calibration item	Range		Measurement conditions / procedure	Best measurement capability <sup>1)</sup>	Remarks
Air kerma rate	1 mGy/min to 100 mGy/min to	200 mGy/min 5 Gy/min	40 kV to 280 kV Cobalt 60	1.2 % 1.0 %	
Air kerma	1 mGy to 100 mGy to	10 Gy 20 Gy	40 kV to 280 kV Cobalt 60	1.2 % 1.0 %	
Kerma area product	20 pGy m <sup>2</sup> to	100 µGy m <sup>2</sup>	40 kV to 160 kV	1.8 %	
Kerma length product	0,1 µGy m to	1 mGy m	40 kV to 160 kV	1.8 %	
Absorbed dose rate to water	5 mGy/min to 1 mGy/min to 100 mGy/min to	100 mGy/min 300 mGy/min 5 Gy/min	20 kV to 100 kV 120 kV to 280 kV Cobalt 60	3.2 % 2.3 % 1.0 %	
Absorbed dose to water	5 mGy to 1 mGy to 100 mGy to 1 Gy to 1 Gy to	3 Gy 5 Gy 20 Gy 20 Gy 20 Gy	20 kV to 100 kV 120 kV to 280 kV Cobalt 60 6 MV to 15 MV 6 MeV to 15 MeV	3.5 % 2.3 % 1.0 % 1.6 % 2.2 %	
DC Current Measuring instruments	1 pA to 20 pA to 200 pA to	19.9 pA 199 pA 10 µA		0.5 % 0.3 % 0.2 %	

<sup>1)</sup> The calibration and measurement capabilities are stated according to DAkkS-DKD-3 (EA-4/02). These are expanded uncertainties of measurement with a coverage probability of 95 % and have a coverage factor of  $k = 2$  unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.