

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11068-03-02 according to DIN EN ISO/IEC 17025:2005

Period of validity: 2016-12-07 to 2021-12-06

Date of issue: 2016-12-07

Holder of certificate:

**Karlsruher Institut für Technologie (KIT)
Körperschaft des öffentlichen Rechts
Kaiserstraße 12, 76131 Karlsruhe**

With the laboratory:

**KIT - Sicherheit und Umwelt (SUM)
In-vivo monitoring laboratory
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen**

Tests in the fields:

Incorporation measurements by means of direct determination of the body activity

Within the given testing field, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following:

- 1) the free choice of standard or equivalent testing methods.**
- 2) the modification, development and refinement of testing methods.**

The listed testing methods are exemplary. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

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test range	matrix	parameter	characteristical testing procedure	indicator / parameter
Whole body counter	Persons	gamma-ray emitting radionuclides	gamma-ray spectrometry	Activity, body dose
Partial body counter	Persons	gamma-ray emitting radionuclides	gamma-ray spectrometry	Activity, body dose

Standard / date of issue in house standard / version	Title of the listed standard or in house standard (if necessary specify any deviations / modifications of standard procedures)	test sample / inspection item
MB SUM 011; Rev.-Nr. 02	measurement of incorporated radionuclides by gamma-ray spectrometry in the whole body counter	Persons
MB SUM 012; Rev.-Nr. 03	measurement of incorporated radionuclides by gamma-ray spectrometry in the partial body counter	Persons
RiPhyKo Part 2, Chapter 5	Documented procedure for the calculation of individual body doses according to „Guideline on physical supervision of radiation protection in evaluating body dose“	Persons

Abbreviations used:

- RiPhyKo German for “Richtlinie für die physikalische Strahlenschutzkontrolle zur Ermittlung der Körperdosen, Teil 2: Ermittlung der Körperdosis bei innerer Strahlenexposition (Inkorporationsüberwachung) (§§ 40, 41 und 42 StrlSchV)”
- StrlSchV Ordinance on the Protection against Damage and Injuries Caused by Ionizing Radiation (Radiation Protection Ordinance - StrlSchV)