

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11068-03-04 according to DIN EN ISO/IEC 17025:2005

Period of validity: 13.02.2018 to 06.12.2021

Date of issue: 13.02.2018

Holder of certificate:

**Karlsruher Institut für Technologie
Körperschaft des öffentlichen Rechts
Sicherheit und Umwelt (SUM)
Solid state dosimetry laboratory
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen**

Tests in the fields:

Solid state dosimetry for the determination of the ambient dose equivalent $H^*(10)$

Abbreviations used: see last page

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

parameter	characteristical testing procedure	indicators / measuring range
Photon radiation 20 keV - 1,4 MeV	Procedure for solid state dosimetry using integrating solid state dosimeters	Ambient dose equivalent 0,1 mSv - 10 Sv

List of methods:

Standard / date of issue	Title of the listed standard or in house standard (if necessary specify any deviations / modifications of standard procedures)	test sample / inspection item
DIN 25483 2000-09	Methods of environmental monitoring using integrating solid-state dosimeters	dose equivalent
DIN 6800-5 2005-04	Procedures of dosimetry with probe-type detectors for photon and electron radiation - Part 5: Thermoluminescence dosimetry	dose equivalent
DIN EN 62387 2016-10	Radiation protection instrumentation - Passive integrating dosimetry systems for individual, workplace and environmental monitoring of photon and beta radiation	dose equivalent
FS-78-15-AKU Blatt 3.1.1.1 2014-02	Monitoring the gamma ambient dose using solid state dosimeters (Loose leaf edition - FS-78-15-AKU - Recommendations for monitoring the environmental radioactivity)	dose equivalent

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EN	European norm
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
FS	Fachverband für Strahlenschutz e.V.