

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11068-03-03 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)
Radon monitoring laboratory
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen**

Tests in the fields:

Determination of the activity concentration of aerial ^{222}Rn in air

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.

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parameter	matrix	characteristical testing procedure	indicators / parameter
Alpha particle emitting radionuclide ^{222}Rn	Air	Track etch method	activity concentration exposure

Standard / in house 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 ISO 11665-4 2013-05	Measurement of radioactivity in the environment - Air: Radon-222 – Part 4: Integrated measurement methods for the determination of the average radon activity concentration in the atmospheric environment using passive sampling and delayed analysis (ISO/DIS 11665-4:2010)	Radon in the atmosphere
VA RNL 001 2017-10	Determination of radon exposure according to Ordinance on the protection against Damage and Injuries Caused by Ionizing Radiation (Radiation Protection Ordinance - StrlSchV)	Radon exposure at the work place

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EN	European norm
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
VA	procedural instructions