

Date

Reference

2023-06-16

2023/1113

## Scope of accreditation

### Testing according to SS-EN ISO/IEC 17025:2018

Radonova Laboratories AB

Uppsala

Accreditation number

1489

A003783-001

### Correction

for current decision dated 2023-06-08 in case 2023/1113

Description: Corrective actions have been taken after decision from division manager Elisabeth Hallin-Bergvall 2023-06-16

### Activity measurement

<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
EPA, Protocols for Radon Measurement in Homes, 1993	Radon, USA	Track film measurements, Image analysis	0,4 – 650 pCi/l (3 mån. exp.)	Air	No	
		Track film measurements, Image analysis	1-2 500 pCi/l (10 dygns exp.)	Air	No	
Internal method , SFMANM	Radon, personal exposure	Track film measurements, Image analysis	10-30 000 kBq/m <sup>3</sup>	Air	No	Tvåpositionsdetektor/Two position detector - Duotrak
		Track film measurements, Image analysis	40-50 000 kBq/m <sup>3</sup>	Air	No	
SS-ISO 11665-11:2016	Radon	Track film measurements, Image analysis	1000 - 1000 000 Bq/m <sup>3</sup>	Air	No	Markluft/Radon in soil. Tvåpositionsdetektor/Two position detector - Duotrak
SS-ISO 11665-4:2021	Radon	Track film measurements, Image analysis	10-25000 Bq/m <sup>3</sup> (3 mån. exp.)	Air	No	
		Track film measurements, Image analysis	10-30000 kBq/m <sup>3</sup> (80-250000 Bq/m <sup>3</sup> 120 timmars exp.)	Air	No	Tvåpositionsdetektor/Two position detector - Duotrak
		Track film measurements, Image analysis	50-150000 Bq/m <sup>3</sup> (7 dygns exp.)	Air	No	
SS-ISO 11665-4:2021/ CNRPP-AL-DF	Radon, Kanada	Track film measurements, Image analysis	15-25000 Bq/m <sup>3</sup> (3 mån exp.), 37-100000 Bq/m <sup>3</sup> (10 dygns exp.)	Air	No	

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<i>Method</i>	<i>Parameter</i>	<i>Technique</i>	<i>Measure</i>	<i>Material</i>	<i>Field</i>	<i>Note</i>
SS-ISO 11665-4:2021/ Measuring procedure for radon in schools and day-care facilities, 2015	Radon, Norway	Track film measurements, Image analysis	10-20000 Bq/m3 (3 mån. exp.) 50-150000 Bq/m3 (7 dygns exp.)	Air	No	
SS-ISO 11665- 4:2021/Måleprosedyr e for radon i boliger, 2013	Radon, Norway	Track film measurements, Image analysis	10-20000 Bq/m3 (3 mån. exp.) 50-150000 Bq/m3 (7 dygns exp.)	Air	No	
		Track film measurements, Image analysis	50-150000 Bq/m3 (7 dygns exp.)	Air	No	
SS-ISO 11665- 4:2021/PHE-CRCE- 040:2018	Radon, Storbritannien	Track film measurements, Image analysis	10-25000 Bq/m3 (3 mån. exp.)	Air	No	
		Track film measurements, Image analysis	50-150000 Bq/m3 (7 dygns exp.)	Air	No	
SS-ISO 11665- 4:2021/RPII, Protocol for measurement of radon i homes, October 2010	Radon, Irland	Track film measurements, Image analysis	10-25000 Bq/m3 (3 mån. exp.)	Air	No	
		Track film measurements, Image analysis	50-150000 Bq/m3 (7 dygns exp.)	Air	No	
<b>SS-ISO 11665- 4:2021/SSM method - Radon in housing, 2013</b>	<b>Radon, advisory shortterm measurements, dwellings</b>	<b>Track film measurements, Image analysis</b>	<b>50-150000 Bq/m3 (7 dygn. exp.)</b>	<b>Air</b>	<b>No</b>	
	Radon, long term measurement, dwellings	Track film measurements, Image analysis	20-25000 Bq/m3 (3 mån. exp.)	Air	No	
<b>SS-ISO 11665- 4:2021/SSM method - Radon in workplace 2021</b>	<b>Radon, workplaces</b>	<b>Track film measurements, Image analysis</b>	<b>20-25000 Bq/m3 (3 mån. exp.)</b>	<b>Air</b>	<b>No</b>	

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**Activity measurement**

**Food analysis**

<b>Method</b>	<b>Parameter</b>	<b>Technique</b>	<b>Measure</b>	<b>Material</b>	<b>Field</b>	<b>Note</b>
ISO 19581:2017	Cesium, Cs-137	Gammaspektrometri	> 0,4Bq (1 h mättid) (2 Bq/kg för 200g prov)	Ash	No	
		Gammaspektrometri	> 0,4Bq (1 h mättid) (2 Bq/kg för 200g prov)	Biological materials/biota	No	
		Gammaspektrometri	> 3Bq (1 min mättid) (15Bq/kg för 200g prov)	Ash	No	
		Gammaspektrometri	> 3Bq (1 min mättid) (15Bq/kg för 200g prov)	Biological materials/biota	No	

**Activity measurement**

**Water analysis**

<b>Method</b>	<b>Parameter</b>	<b>Technique</b>	<b>Measure</b>	<b>Material</b>	<b>Field</b>	<b>Note</b>
ISO 19581:2017. Analysis of radon in water - method description, Swedish Radiation Safety Authority 2013	Radon	Gammaspektrometri	> 4Bq (15 min mättid) (20 Bq/kg för 200 ml prov)	Drinking water	No	

Changes in the scope of accreditation are in bold.