

ISO 13164-2:2013-09 (E)

Water quality - Radon-222 - Part 2: Test method using gamma-ray spectrometry

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	2
3.1	Terms and definitions	2
3.2	Symbols	2
4	Principle	3
5	Sampling	3
5.1	General requirement	3
5.2	Sampling requirement	3
5.3	Sample volume	4
5.4	Container characteristics	4
6	Transportation and storage	4
7	Detection	4
8	Measurement procedure	5
9	Quality assurance and quality control programme	5
9.1	General	5
9.2	Influence quantities	5
9.3	Instrument verification	6
9.4	Method verification	6
9.5	Demonstration of analyst capability	6
10	Expression of results	6
10.1	Activity concentration	6
10.2	Standard uncertainty of the activity concentration	7
10.3	Decision threshold	7
10.4	Detection limit	8
10.5	Confidence limits	8
11	Test report	8
Annex A (informative)	Sample spectra	10
Annex B (informative)	Sample accuracy and precision data	12
Bibliography		13