

ISO 19581:2025-09 (E)

Measurement of radioactivity - Gamma emitting radionuclides - Rapid screening method using scintillation detector gamma-ray spectrometry

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions	2
4	Symbols	3
5	Principle	4
6	Apparatus	6
7	Sample container	7
8	Procedure	8
8.1	Packaging of samples for measuring purposes	8
8.2	Calibration	8
8.2.1	General	8
8.2.2	Reference source	9
8.2.3	Check source	9
8.2.4	Energy calibration	9
8.2.5	Detection efficiency calibration	10
8.3	Validation of the screening level	12
8.4	Screening procedure	12
8.4.1	Total spectrum counting/Single channel analyser counting	12
8.4.2	Multichannel analyser counting	13
8.4.3	Effect of sample density	13
9	Test report	14
Annex A (informative) Example of application of this document for radio-caesium screening		16
Bibliography		21