

ISO 18589-2:2007-12 (E)

Measurement of radioactivity in the environment - Soil - Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions and symbols	1
4	Principle	2
5	Sampling strategy	3
5.1	Initial investigation	3
5.2	Types of sampling strategies	4
5.3	Selection of the sampling strategy	4
6	Sampling plan	5
6.1	Selection of sampling areas and units	5
6.2	Identification of sampling areas, units and points	7
6.3	Selection of field equipment	7
7	Sampling process	8
7.1	Collection of samples	9
7.2	Preparation of the sorted sample	14
7.3	Identification and packaging of samples	14
7.4	Transport and storage of samples	15
8	Pre-treatment of samples	16
8.1	Principle	16
8.2	Laboratory equipment	16
8.3	Procedure	16
9	Recorded information	17
Annex A (informative)	Selection of the sampling strategy according to the objectives and the radiological characterization of the site and sampling areas	18
Annex B (informative)	Diagram of the evolution of the sample characteristics from the sampling site to the laboratory	19
Annex C (informative)	Example of sampling plan for a site divided in three sampling areas (A, B, C)	20
Annex D (informative)	Example of a sampling record for a single/composite sample	21
Annex E (informative)	Example for a sample record for a soil profile with soil description	22
Bibliography		25