

ISO 13196:2013-03 (E)

Soil quality - Screening soils for selected elements by energy-dispersive X-ray fluorescence spectrometry using a handheld or portable instrument

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Apparatus	2
5.1	X-ray fluorescence spectrometer (XRF)	2
5.2	Container for sampling and preparation	2
5.3	Spoon	2
5.4	Sieve (optional)	2
5.5	Sample cup for portable XRF	2
5.6	Sample container for handheld XRF	2
5.7	Drying device (optional)	2
6	Procedure	3
6.1	General	3
6.2	Performance check of instrument	3
6.3	Calibration	3
6.4	In situ measurement	3
6.5	Analysis of soil with sampling	4
7	Quality control	4
7.1	Performance test by standard reference material	4
7.2	Energy calibration	5
8	Test report	5
Annex A (informative)	Precision data	6
Bibliography		12