

ISO 11269-1:2012-03 (E)

Soil quality - Determination of the effects of pollutants on soil flora - Part 1: Method for the measurement of inhibition of root growth

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Test plants	3
6 Materials	3
6.1 Test vessels	3
6.2 Soil	3
7 Equipment	5
8 Reference substance	5
9 Procedure	5
9.1 Experimental design	5
9.2 Preparation of pots	6
9.3 Pregermination of the seeds	6
9.4 Growing conditions	6
9.5 Test duration	6
9.6 Measurements	7
10 Expression of results and data	7
11 Validity criteria	7
12 Test report	7
Annex A (informative) Recommended method for measuring the water-holding capacity of the soil ..	9
Annex B (informative) Results of tests performed on reference substances	10
Annex C (informative) Example of results obtained with boric acid using sand as the substrate	11
Annex D (informative) Recommended methods for the incorporation of chemicals into soils	12
Annex E (informative) Recommended methods for the incorporation of compost, sludge or waste into soils	13
Annex F (informative) Example of seedlings of winter barley collected at the end of the test after removal from artificial soil	15
Bibliography	16