

DIN ISO 17512-1:2010-06 (E)

Soil quality - Avoidance test for determining the quality of soils and effects of chemicals on behaviour - Part 1: Test with earthworms (*Eisenia fetida* and *Eisenia andrei*) (ISO 17512-1:2008)

Contents	Page
National foreword	3
National Annex NA (informative) Bibliography	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Principle	6
5 Reagents and materials	7
6 Apparatus	8
7 Procedure	9
7.1 Appropriate concentration range	9
7.2 Testing of soils	9
7.3 Testing of chemical	10
7.4 Reference substance	10
7.5 Validity criteria	10
8 Calculation and expression of results	10
9 Test report	11
Annex A (informative) Test chambers	12
Annex B (informative) Example of a breeding technique for <i>Eisenia fetida</i> and <i>Eisenia andrei</i>	15
Annex C (informative) Further test organisms	16
Annex D (informative) Contaminants that earthworms can detect and avoid in the avoidance test ...	17
Annex E (normative) Testing of chemicals in the avoidance test	18
Annex F (normative) Determination of water-holding capacity	20
Annex G (informative) Comparison of the results obtained in the two section chamber and six section chamber system	21
Annex H (informative) Influence of soil properties on avoidance behaviour -- Basis for the threshold value of 20 %	24
Annex I (informative) Data gained in "dual" tests with the same (untreated) control soil on both sides of the test vessels	26
Bibliography	28