

ISO 11268-2:2012-11 (E)

Soil quality - Effects of pollutants on earthworms - Part 2: Determination of effects on reproduction of *Eis enia fetida*/*Eisenia andrei*

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	3
5 Reagents and material	4
6 Apparatus	5
7 Procedure	6
7.1 Experimental design	6
7.2 Preparation of test mixture	7
7.3 Addition of the earthworms	8
7.4 Test conditions and measurements	8
7.5 Reference substance	9
8 Calculation and expression of results	9
8.1 Calculation	9
8.2 Expression of results	9
9 Validity of the test	9
10 Statistical analysis	9
10.1 General	9
10.2 Single-concentration tests	10
10.3 Multi-concentration tests	10
11 Test report	11
Annex A (informative) Determination of the chronic toxicity of chemicals on earthworms under tropical conditions	13
Annex B (informative) Culturing of <i>Eisenia fetida</i> and <i>Eisenia andrei</i>	15
Annex C (informative) Determination of waterholding capacity of artificial soil	16
Annex D (informative) Techniques for counting juvenile worms hatched from cocoons	17
Annex E (informative) Performance of the method	18
Bibliography	20