DIN EN ISO 11268-2:2015-11 (E)

Soil quality - Effects of pollutants on earthworms - Part 2: Determination of effe cts on reproduction of Eisenia fetida/Eisenia andrei (ISO 11268-2:2012)

Contents

Page

European foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Termsanddefinitions 6

4 Principle 7

5 Reagents and material 8

6 Apparatus 9

7 Procedure 10
7.1 Experimental design 10
7.2 Preparation of test mixture 11
7.3 Addition of the earthworms 12
7.4 Test conditions and measurements 12
7.5 Reference substance 13

8 Calculation and expression of results 13
8.1 Calculation 13
8.2 Expression of results 13

9 Validity of the test 13

10 Statistical analysis 13
10.1 General 13
10.2 Single-concentration tests 14
10.3 Multi-concentration tests 14

11 Test report 15

Annex A (informative) Determination of the chronic toxicity of chemicals on earthworms under tropical conditions 17

Annex B (informative) Culturing of Eisenia fetida and Eisenia andrei 19

Annex C (informative)Determinationofwaterholdingcapacityofartificialsoil 20

Annex D (informative) Techniques for counting juvenile worms hatched from cocoons 21

Annex E (informative) Performance of the method 22

Bibliography 24