DIN EN ISO 11268-1:2015-11 (E)

Soil quality - Effects of pollutants on earthworms - Part 1: Determination of acute toxicity to Eisenia fetida/Eisenia andrei (ISO 11268-1:2012)

Contents

Page

European foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Termsanddefinitions 6

4 Principle 7

5 Reagents and material 7

6 Apparatus 9

7 Procedure 9
7.1 Experimental design 9
7.2 Preparation of test mixture 10
7.3 Addition of the earthworms 12
7.4 Test conditions and measurements 12
7.5 Reference substance 12

8 Calculation and expression of results 12
8.1 Calculation 12
8.2 Expression of results 12

9 Validity of the test 13

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

11 Test report 15

Annex A (informative) Determination of the acute toxicity of chemicals (in particular pesticides) on earthworms under tropical test conditions 16

Annex B (informative) Culturing of Eisenia fetida and Eisenia andrei 18

Annex C (informative)Determinationofwaterholdingcapacityofartificialsoil 19

Annex D (informative) Background information on the acute effect of boric acid on earthworms 20

Bibliography 21