DIN EN ISO 29200:2020-09 (E)

Soil quality - Assessment of genotoxic effects on higher plants - Vicia faba micronucleus test (ISO 29200:2013)

Contents

Page

Foreword 4

Introduction 5

1 Scope 6

2 Normative reference 6

3 Termsanddefinitions 6

4 Principle 7

5 Plants, test equipment and reagents 7
5.1 Equipment 7
5.2 Test organism 7
5.3 Reference substance 7
5.4 Reagents 8

6 Protocols 8
6.1 Preparation of the soil to be tested 8
6.2 Preparation of the seeds 9
6.3 Conducting of the test 10
6.4 Test environment 11
6.5 Cell preparation 11

7 Assessment of the results 13
7.1 Presentation of the data 13
7.2 Statistical analysis 13
7.3 Interpretation of the results 13

8 Validity criteria 13

9 Test report 13

Annex A (informative) Composition of Hoagland's medium 15

Annex B (informative) Testing chemicals added to soils 16

Annex C (informative) Results of the interlaboratory test conducted within the framework of NF T 90-327 17

Annex D (informative) Results of the interlaboratory test conducted on the reference substance and an industrial contaminated soil 19

Bibliography 23

Europeanforeword 3