ISO 6639-4:2025-06 (E)

Cereals and pulses - Determination of hidden insect infestation - Part 4: Rapid methods

Contents

Page

Foreword ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **2**

4 Method by determination of carbon dioxide production **2**
4.1 Principle 2
4.2 Apparatus 2
4.3 Sampling 4
4.4 Procedure 4
4.4.1 Preparation of test sample 4
4.4.2 Preparation of container and test portion 4
4.4.3 Carbon dioxide determination 5
4.4.4 Determination times 5
4.5 Expression of results 5
4.6 Interpretation of results 5
4.7 Test report 5

5 Whole grain flotation method **6**
5.1 Principle 6
5.2 Apparatus 6
5.3 Sampling 6
5.4 Test solution 6
5.5 Procedure 7
5.5.1 Preparation of test sample and test portion 7
5.5.2 Determination 7
5.5.3 Number of determinations 8
5.6 Expression of results 8
5.6.1 Calculation 8
5.6.2 Repeatability 8
5.7 Interpretation of results 9
5.8 Test report 9

6 Acoustic method operating on a grain sample **9**
6.1 Principle 9
6.2 Apparatus 9
6.3 Sampling 10
6.4 Procedure 10
6.4.1 General 10
6.4.2 Preparation of the test sample and test portion 10
6.4.3 Determination 11
6.4.4 Number of determinations 11
6.5 Expression of results 11
6.6 Interpretation of results 11
6.7 Test report 11

7 On-site assessment acoustic method **12**
7.1 Principle 12
7.2 Apparatus 12
7.3 On-site acoustic probing 12
7.4 Operating method 12

7.5 Assessment 12
7.5.1 General 12
7.5.2 *In situ* acoustic probing a grain bulk in a means of transport 12
7.5.3 Operation of on-site acoustic probing in a static grain mass 13
7.5.4 Number of measurements 14
7.6 Expression of results 14
7.7 Interpretation of results 14
7.8 Test report 14
Bibliography **15**