ISO 2171:2023-02 (E)

Cereals, pulses and by-products - Determina tion of ash yield by incineration

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Reagents 2

6 Apparatus 2

7 Sampling 3

8 Preparation of the test sample 3

9 Procedure 3
9.1 Incineration temperatures 3
9.2 Determination of the moisture content 3
9.3 Preparation of the ashing dishes 4
9.4 Preparation of the test portion 4
9.5 Pre-ashing 4
9.6 Ashing 4
9.7 Number of determinations 5

10 Expression of results 5

11 Precision 5
11.1 Interlaboratory tests 5
11.2 Repeatability, r 5
11.3 Reproducibility, R 6
11.4 Critical difference 6
11.4.1 Comparison of two groups of measurements in one laboratory 6
11.4.2 Comparison of two groups of measurements in two laboratories 6
11.5 Uncertainty, U 6

12 Test report 7

Annex A (informative) Results of interlaboratory tests 8

Annex B (informative) Practical application of repeatability and reproducibility limits 11

Bibliography 12