

ISO 2171:2023-02 (E)

Cereals, pulses and by-products - Determination of ash yield by incineration

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	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