

DIN EN ISO 7971-2:2019-06 (E)

Cereals - Determination of bulk density, called mass per hectolitre - Part 2: Method of traceability for measuring instruments through reference to the international standard instrument (ISO 7971-2:2019)

Contents	Page
European foreword	3
Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements	6
4.1 Certified international or national standard instrument.....	6
4.2 National standard instrument.....	6
4.3 Secondary or internal standard instrument.....	6
4.4 Routine measuring instrument.....	6
5 Principle	7
6 Apparatus	7
7 Procedure	8
7.1 Traceability of national standard instruments through reference to the certified international or national standard instrument.....	8
7.1.1 General description.....	8
7.1.2 Preparation of the test samples.....	8
7.1.3 Use of the referenced test samples.....	9
7.1.4 Interpretation of the results.....	9
7.1.5 Adjustment of the national standard instrument.....	10
7.2 Traceability of the secondary standard instruments through reference to the national standard instrument.....	10
7.2.1 General description.....	10
7.2.2 Preparation of the test samples.....	10
7.2.3 Use of the referenced test samples.....	11
7.2.4 Interpretation of the results.....	11
7.2.5 Adjustment of the secondary standard instrument.....	11
7.3 Verification of instruments in operation.....	11
7.3.1 General description.....	11
7.3.2 Preparation of the control test samples.....	12
7.3.3 Use of the referenced test samples.....	12
7.3.4 Interpretation of the results.....	12
7.3.5 Adjustment of the instrument.....	13
8 Monitoring of instrument performance	13
9 Test reports	14
9.1 Analysis certificate.....	14
9.2 Conformity certificate.....	14
10 Identification of traced measuring instruments	14
Annex A (normative) Method for calculation of performance parameters of standard instruments and of measurement instruments	15
Annex B (informative) Example — Owners of certified standard measurement instruments	26
Bibliography	27