

APPENDIX 16

Reference methods

For each commodity, the reference method issued by the British Standards Institution (BSI) and/or the International Standards Organisation (ISO). Where no BSI/ISO standard has been agreed, the reference method recommended by the appropriate industry body (e.g. CCAT, EBC) is listed below.

1. Wheat

No.	Test	Method
1	Determination of moisture	BS EN ISO 712-1:2024 or CCAT Method 08
2 a	Determination of bulk density (Mass per Hectolitre) (using rapid instruments)	BS EN ISO 7971-3:2019
2 b	Determination of bulk density (Mass per Hectolitre) (using 1 litre chondrometer)	BS EN ISO 7971-2:2019 or CCAT Method No. 20
3	Determination of protein content by the Dumas combustion method	BS EN ISO 16634-2:2016 or CCAT Method No. 19
4	Determination of Falling Number	BS EN ISO 3093:2009 or CCAT Method No. 06 and No 04p
5	Determination of screenings and admixture content of wheat	CCAT Method No. 26
6	Determination of wet gluten (by mechanical means)	CCAT Method No.13 and CCAT Procedure No.04p or BS EN ISO 21415-2:2015
7	Determination of the Hardness Index of wheat using the Perten single kernel characterisation system 4100	CCAT Method No.22
8	Determination of the Ergot Sclerotia Content of Cereals	CCAT Method No. 30

2. Barley

No.	Test	Method
1	Determination of moisture	BS EN ISO 712-1:2024 or Analytica EBC 3.2 1997
2 a	Determination of bulk density (Mass per Hectolitre) (using rapid instruments)	BS EN ISO 7971-3:2019
2 b	Determination of bulk density (Mass per Hectolitre) (using 1 litre chondrometer)	BS EN ISO 7971-2:2019
3	Total Nitrogen of Barley: Dumas combustion method	Analytica EBC 3.3.2 2004 or BS EN ISO16634-2:2016
4	Sieving test for barley	Analytica EBC 3.11.1 2002
5	Germinative Capacity (Hydrogen Peroxide and Peeling method)	Analytica EBC 3.5.2 2004
6	Germinative Energy (Aubry Method)	Analytica EBC 3.6.1 1997

3. Oats

No.	Test	Method
1	Determination of moisture	BS EN ISO 712-1:2024
2 a	Determination of bulk density (Mass per Hectolitre) (using rapid instruments)	BS EN ISO 7971-3:2019
2 b	Determination of bulk density (Mass per Hectolitre) (using 1 litre chondrometer)	BS EN ISO 7971-2:2019
3	Determination of protein content by the Dumas combustion method	BS EN ISO 16634-2:2016

4. Rye

No.	Test	Method
1	Determination of moisture	BS EN ISO 712-1:2024
2 a	Determination of bulk density (Mass per Hectolitre) (using rapid instruments)	BS EN ISO 7971-3:2019
2 b	Determination of bulk density (Mass per Hectolitre) (using 1 litre chondrometer)	BS EN ISO 7971-2:2019
3	Determination of Falling Number	BS EN ISO 3093:2009 or CCAT Method 06 and No 04p
4	Determination of Protein by Dumas Combustion Method.	BS EN ISO 16634-2:2016 or CCAT Method 19

5. Maize

No.	Test	Method
1	Determination of moisture	BS EN ISO 6540:2021
2	Determination of impurities content (in Maize and Sorghum)	BS EN 16378:2013

6. Pulses

No.	Test	Method
1	Determination of moisture	BS ISO 24557:2024
2	Determination of impurities, size, foreign odours, insects, and species and variety	ISO 605:1991

7. Oilseeds

No.	Test	Method
1	Determination of moisture and volatile matter	BS EN ISO 665: 2020
2	Determination of impurities (admixture)	BS EN ISO 658: 2002
3	Determination of oil content	Solvent Extraction - BS EN ISO 659: 2009