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Accréditation n° 1-7400
Scope available on www.cofrac.fr
Only the assigned values identified by the symbol * are within the scope of COFRAC accreditation.

REFERENCE NUMBER:	202603 4-03888-
DATE OF THE TEST:	March 2026
DESCRIPTION OF TEST MATERIAL:	DURUM WHEAT
WEIGHT:	approximately 500 g
STORAGE INSTRUCTION:	(5 ± 4) °C
VALID UNTIL:	March 2029 (unopened)

CERTIFIED VALUES			USED METHODS
ANALYTE	Unit	Value	
PROTEIN CONTENT *	%	13.18 ± 0.39 (k = 2)	NF EN ISO 20483: Cereals and pulses - Determination of the nitrogen content and calculation of the crude protein content - Kjeldahl method.
PROTEIN CONTENT *	%	13.10 ± 0.56 (k = 2)	NF EN ISO 16634-2: Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content - Part 2: Cereals, pulses and milled cereal products
VALUES FOR INFORMATION PURPOSE			USED METHODS
ANALYTE	Unit	Value	
MOISTURE CONTENT	%	12.27 ± 0.36 (k = 2)	NF EN ISO 712: Cereals and cereal products - Determination of moisture content - Reference method
ASH CONTENT on DM basis	%	1.92 ± 0.08 (k = 2)	NF EN ISO 2171: Cereals, pulses and by-products - Determination of ash yield by incineration

The **certified values** are estimated at the end of the interlaboratory comparison, as consensus values, which come from the results of a group of accredited laboratories (according to ISO /IEC 17025 standard). Their accreditation guarantees the metrological traceability of the certified value. Each laboratory was required to give one result per sample under independent conditions. The estimator used is the mean calculated by the robust algorithm A from the ISO 13528 standard.

REFERENCE MATERIAL DESCRIPTION

Samples: real natural durum wheat. The products are packed in special sealed aluminum bags.

INSTRUCTIONS FOR REFERENCE MATERIAL USE

Safety information: The usual laboratory safety precautions apply.

Storage: Keep at (5 ± 4) °C. Store sample hermetically closed until analysis.

Caution: Following first use after opening, the stability of the accredited certified values is not guaranteed.

Methodological advice: Prior to use, the sample should be allowed to come to ambient temperature to avoid condensation of moisture on the cold seeds. Leave the container open as briefly as possible and perform all the steps of the determination quickly.

Recommendations for analysis: Fully homogenise the samples before taking subsamples for analysis, because during production or shipment the particles can segregate based on their size or their density.

Minimum amount to be used: according to the NF EN ISO 16634-2 and NF EN ISO 20483 standards, depending on intended use.

Important: Bipea cannot be held responsible for changes that occur during storage of the material in the laboratory, especially for opened samples.

Paris, June 2026

Bipea

Abdelkader BOUBETRA / Anne TIRARD

Scientific and Technical Manager / Expert Statistical Analyst

Signature:



End of the certificate. •