

JOINT RESEARCH CENTRE
Institute for Reference Materials and Measurements

CERTIFICATE OF ANALYSIS

ERM[®]-BF415b

DRIED MAIZE POWDER		
	Mass fraction	
	Certified value ¹ [g / kg]	Uncertainty ² [g / kg]
NK603 maize content	1.0	0.4
<p>1) The certified value is based on the mass fraction of dried non-GMO powder and dried GMO powder mixed and corrected for the water content. The value is traceable to the International System of Units (SI).</p> <p>2) The certified uncertainty is the expanded uncertainty estimated in accordance with the Guide to the Expression of Uncertainty in Measurement (GUM) with a coverage factor $k = 2$, corresponding to a level of confidence of about 95 %.</p>		

This certificate is valid for one year after purchase.

Sales date:

The minimum sample intake is 100 mg.

NOTE

European Reference Material ERM[®]-BF415b was produced and certified under the responsibility of the IRMM according to the principles laid down in the technical guidelines of the European Reference Materials[®] co-operation agreement between BAM-IRMM-LGC. Information on these guidelines is available on the Internet (<http://www.erm-crm.org>).

Accepted as an ERM[®], Geel, October 2004
Latest revision: July 2013

INFORMATION ONLY

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DESCRIPTION OF THE SAMPLE

ERM[®]-BF415b is supplied in amber glass vials containing approximately 1 g maize powder packed under Argon atmosphere. ERM[®]-BF415b is part of a set of CRMs of dried maize powder with NK603 maize. Users are informed that this reference material has been produced from whole seeds of a non-modified maize (hybrid seed variety RX670) and genetically modified maize (line DKC57-40) delivered by Monsanto, St. Louis, MO, USA. According to the information provided by Monsanto the genetically modified donor for the heterozygous NK603 maize was the female parent.

ANALYTICAL METHOD USED FOR CERTIFICATION

The certified value is based on the mass fraction of dried non-GMO powder and dried GMO powder mixed and corrected for the water content. Verification measurements using event specific real-time PCR have been used to prove the consistency of the set of ERM[®]-BF415.

PARTICIPANTS

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SAFETY INFORMATION

Not applicable.

INSTRUCTIONS FOR USE

This CRM is intended to be used for the calibration and quality control of GMO detection methods. It is recommended not to take less than 100 mg per assay. Care has been taken to ensure that the certified value represents the "true" value at the time of arrival at the customer as closely as possible. However, the European Commission cannot be held responsible for changes that happen during storage of the material at the customer's premises, especially of opened samples.

STORAGE

ERM[®]-BF415b should be stored at + 4 °C in the dark. However, the European Commission cannot be held responsible for changes that happen during storage of the material at the customer's premises, especially of opened samples.

LEGAL NOTICE

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NOTE

A detailed technical report is available on www.irmm.jrc.be. A paper copy can be obtained from IRMM on request.