

JOINT RESEARCH CENTRE
Institute for Reference Materials and Measurements

CERTIFICATE OF ANALYSIS

ERM[®] - BF418a

DRIED MAIZE POWDER		
	Mass Fraction	
	Certified value ¹⁾ [g/kg]	Uncertainty [g/kg]
1507 maize	< 0.5	not applicable
<p>1) No contamination was detected in the non-GM material when applying event-specific 1507 real-time PCR with a detection limit of 0.4 g/kg. With a confidence level of 95 % the 1507 maize mass fraction is below the certified value. The certified value is traceable to the SI.</p>		

This certificate is valid for one year after purchase.

Sales date:

The minimum amount of sample to be used is 100 mg.

NOTE

European Reference Material ERM[®]-BF418a 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, August 2005
Latest revision: July 2013

INFORMATION ONLY

Signed: _____

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DESCRIPTION OF THE SAMPLE

ERM[®]-BF418a is part of a set of four maize powder CRMs containing different mass fractions of genetically modified (GM) 1507 maize. The set of CRMs (ERM[®]-BF418a, ERM[®]-BF418b, ERM[®]-BF418c and ERM[®]-BF418d) was produced and certified under the responsibility of the Institute for Reference Materials and Measurements of the European Commission's Directorate General Joint Research Centre (EC-DG JRC-IRMM). ERM-BF418a is available in glass bottles containing approximately 1 g of maize powder closed under argon atmosphere.

This reference material has been produced from whole kernels of non-modified maize of seed quality delivered by Pioneer Hi-Bred International (Johnston, IA, USA). According to European Commission regulation (EC) No 65/2004 the event 1507 maize received the unique identifier DAS-Ø15Ø7-1. According to the information provided by Pioneer the genetically modified donor for the heterozygous 1507 maize was the female parent.

ANALYTICAL METHOD USED FOR CERTIFICATION

Gravimetric preparation confirmed by real-time Polymerase Chain Reaction (rt-PCR).

PARTICIPANTS

EC-DG JRC-IRMM, Geel, BE*

* Measurements within the scope of accreditation to ISO/IEC 17025.

SAFETY INFORMATION

Not applicable.

INSTRUCTIONS FOR USE

CRM ERM[®]-BF418a is intended to be used for the quality control or calibration of methods for the detection of genetically modified food.

STORAGE

Bottles should be stored dry and in the dark at maximum 4 °C. However, the European Commission cannot be held responsible for changes that happen during storage of the material at the customer's premises. We recommend to use samples once opened as soon as possible.

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.