

CERTIFICATE OF ANALYSIS

ERM[®] - BF416a

DRIED MAIZE POWDER		
	Mass Fraction	
	Certified value ¹⁾ [g / kg]	Uncertainty [g / kg]
MON 863 maize	< 1.0	-
1) No contamination was detected in the non-GM material when applying event-specific MON 863 real-time PCR with a detection limit of 0.8 g / kg. With a confidence level of 95 % the MON 863 mass fraction is below the certified value.		

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[®]-BF416a was originally certified as IRMM-416-0. It 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 2008

Signed: _____



Prof. Dr. Hendrik Emons
Unit for Reference Materials
EC-JRC-IRMM
Retieseweg 111
2440 Geel, Belgium

DESCRIPTION OF THE SAMPLE

CRM ERM[®]-BF416a is part of a set of CRMs containing different mass fractions of maize powder prepared from genetically modified (GM) MON 863 maize. The set of CRMs (ERM[®]-BF416a, ERM[®]-BF416b, ERM[®]-BF416c and ERM[®]-BF416d) 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[®]-BF416a is available in glass bottles containing approximately 1 g of maize powder packed under argon atmosphere.

This reference material has been produced from whole kernels of non-modified maize (variety 'RX670') of seed quality and delivered by Monsanto (St. Louis, MO, USA).

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 17025.

SAFETY INFORMATION

Not applicable.

INSTRUCTIONS FOR USE

CRM ERM[®]-BF416a is intended to be used for the quality control and calibration of methods for the detection of genetically modified food. It is recommended to use sample intakes not smaller than 100 mg.

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, especially of opened samples.

LEGAL NOTICE

Neither IRMM, its contractors nor any person acting on their behalf:

(a) make any warranty or representation, express or implied, that the use of any information, material, apparatus, method or process disclosed in this document does not infringe any privately owned intellectual property rights;

or

(b) assume any liability with respect to, or for damages resulting from, the use of any information, material, apparatus, method or process disclosed in this document save for loss or damage arising solely and directly from the negligence of IRMM.

NOTE

A detailed technical report is available on www.erm-crm.org. A paper copy can be obtained from IRMM on request.