

# CERTIFICATE OF ANALYSIS

## ERM<sup>®</sup> - BF425d

SOYA SEED POWDER		
	Mass Fraction	
	Certified value <sup>1)</sup> [g/kg]	Uncertainty <sup>2)</sup> [g/kg]
356043 soya	100	9
<sup>1)</sup> The certified value is based on the masses of mixed dried genetically modified Event 356043 soya seed powder and of dried non-modified soya seed powder. The certified value is traceable to the SI. <sup>2)</sup> 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 $k = 2$ .		

This certificate is valid one year after purchase.

Sales date:

The minimum amount of sample to be used is 200 mg.

### NOTE

European Reference Material ERM<sup>®</sup>-BF425d 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<sup>®</sup> 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<sup>®</sup>, Geel, December 2007

Signed: \_\_\_\_\_



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

## DESCRIPTION OF THE SAMPLE

ERM-BF425d is one of four soya seed powder certified reference materials (CRMs) containing different mass fractions of genetically modified Event 356043 soya. ERM-BF425d has been produced from whole kernels of hybrid event 356043 soya and non-modified near-isogenic soya both supplied by Pioneer Hi-Bred International Inc. (Johnston, IA, USA). The CRM is available in glass bottles containing approximately 1 g of dried soya seed powder closed under argon atmosphere.

The four CRMs (ERM-BF425a, ERM-BF425b, ERM-BF425c and ERM-BF425d) were produced and certified under the responsibility of the Institute for Reference Materials and Measurements of the European Commission Joint Research Centre (EC-JRC-IRMM). According to Regulation (EC) No 65/2004, the soya event 356043 received the unique identifier DP-356043-5.

## ANALYTICAL METHOD USED FOR CERTIFICATION

Gravimetric preparation verified by event-specific real-time Polymerase Chain Reaction (PCR).

## PARTICIPANTS

EC-JRC-IRMM, Geel (BE) (BELAC 268-TEST) \*

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

## SAFETY INFORMATION

The usual laboratory safety precautions apply. As the powder material is not viable, accidental release into the environment forms no risk.

## INSTRUCTIONS FOR USE

ERM-BF425d is intended to be used for the quality control or calibration of methods for the detection of genetically modified food and feed. The dry CRM powder is hygroscopic. Users are therefore advised to close bottles immediately after taking a sample.

## 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

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## NOTE

A detailed technical report is available on [www.erm-crm.org](http://www.erm-crm.org). A paper copy can be obtained from IRMM on request.