

CERTIFICATE OF ANALYSIS

ERM[®] - BF425a

| SOYA SEED POWDER | |
|--|---|
| | Mass Fraction |
| | Certified value ¹⁾ [g/kg] |
| 356043 soya ¹⁾ | < 0.5 |
| <p>1) The 356043 soya is genetically modified and corresponds to the unique identifier DP-356Ø43-5.</p> <p>2) The CRM has been produced from conventional, non-modified soya seeds. No contamination was detected in this material when applying event-specific real-time PCR targeting event 356043. The limit of detection for the pure GM 356043 soya used in the CRM set ERM-BF425b-d was 0.5 g/kg. With a 95 % probability, the true value of the material is below this level. The certified value is traceable to the SI.</p> | |

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[®]-BF425a 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, December 2007

Latest revision: June 2011

Signed: 
INFORMATION ONLY

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DESCRIPTION OF THE SAMPLE

ERM[®]-BF425a is one of four soya seed powder certified reference materials (CRMs) containing different mass fractions of genetically modified Event 356043 soya. ERM-BF425a has been produced from whole kernels of non-modified soya 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 356403 received the unique identifier DP-356043-5.

ANALYTICAL METHOD USED FOR CERTIFICATION

Purity measured 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. The CRM does not contain viable seeds.

INSTRUCTIONS FOR USE

ERM-BF425a is intended to be used for the calibration or quality control 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.

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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.