

CERTIFICATE OF ANALYSIS

ERM[®] - BF426b

SOYA SEED POWDER		
	Mass fraction	
	Certified value ²⁾ [g/kg]	Uncertainty ³⁾ [g/kg]
305423 Soya ¹⁾	5.0	0.8
<p>1) The 305423 soya is genetically modified and corresponds to the unique identifier DP-305423-1.</p> <p>2) The certified value is based on the masses of mixed dried genetically modified 305423 soya seed powder and of dried non-modified soya seed powder, taking into account their respective purity with regard to 305423 soya and their water content. The certified value is traceable to the SI.</p> <p>3) 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 amount of sample to be used is 200 mg.

NOTE

European Reference Material ERM[®]-BF426b 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 2007

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INFORMATION ONLY

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DESCRIPTION OF THE SAMPLE

ERM-BF426b is one of four soya seed powder certified reference materials (CRMs) containing different mass fractions of genetically modified 305423 soya. ERM-BF426b has been produced from whole beans of 305423 soya and non-modified soya, both supplied by Pioneer Hi-Bred International, Inc. (Johnston, IA, USA). According to the information provided by Pioneer the genetically modified soya has been self pollinated for several generations in order to establish homozygosity of the transgene. According to Commission Regulation (EC) No 65/2004 the 305423 soya received the unique identifier code DP-305423-1.

The four CRMs (ERM-BF426a, ERM-BF426b, ERM-BF426c and ERM-BF426d) were produced and certified under the responsibility of the Institute for Reference Materials and Measurements of the European Commission's Joint Research Centre (EC-JRC-IRMM).

The CRM is available in glass bottles containing approximately 1 g of dried soya powder closed under argon atmosphere.

ANALYTICAL METHOD USED FOR CERTIFICATION

Gravimetric preparation verified by event-specific real-time Polymerase Chain Reaction

PARTICIPANT

European Commission, Joint Research Centre, Institute for Reference Materials and Measurements (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-BF426b is intended to be used for the calibration or quality control of methods for the detection of genetically modified food. 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.