Institute for Reference Materials and Measurements

European Reference Materials

CERTIFICATE OF ANALYSIS

ERM®-BF410a

DRIED SOYA BEAN POWDER		
	Mass fraction	
	Certified value [1] [g / kg]	Uncertainty [2] [g / kg]
Roundup Ready™ soya bean content	< 0.3	-
1) The certified value is based on the purity of the non-GMO powder measured by real-time PCR. 2) The true Roundup Ready soya bean content lies with a probability of 95% below this value.		

This certificate is valid for one year after purchase.

Sales date:

The minimum sample intake is 100 mg.

NOTE

European Reference Material ERM®-BF410a was originally certified as IRMM-410S-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, April 2004
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Signed:

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DESCRIPTION OF THE SAMPLE

ERM®-BF410a is supplied in amber glass vials containing approximately 1 g soya bean powder packed under Argon atmosphere. ERM®-BF410a is part of a set of CRMs of dried soya bean powder with different mass fractions (< 0.3, 1.0, 5.0, 10.0, 20.0, 50.0 g/kg) of dried powder from genetically modified Roundup Ready soya bean. Users are informed that this reference material has been produced from whole seeds of a non-modified soya line (Asgrow line A1900) delivered by Monsanto, St. Louis, MO, USA.

ANALYTICAL METHOD USED FOR CERTIFICATION

The certified value is based on the mass fraction of dried non-GMO powder. Verification measurements using real-time PCR and ELISA have been used to prove the consistency of the set of ERM®-BF410.

PARTICIPANTS

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SAFETY INFORMATION

Not applicable.

INSTRUCTIONS FOR USE

This CRM is intended to be used for the calibration and quality control of GMO detection methods. It is recommended not to take less than 100 mg per assay. Care has been taken to ensure that the certified value represents the "true" value at the time of arrival at the customer as closely as possible. 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.

STORAGE

ERM®-BF410a should be stored at + 4 °C in the dark. 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. A paper copy can be obtained from IRMM on request.

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