

JOINT RESEARCH CENTRE
Institute for Reference Materials and Measurements

CERTIFICATE OF ANALYSIS

ERM[®] - BF431a

DRIED POTATO POWDER	
	Mass Fraction
	Certified value ²⁾ [g/kg]
AV43-6-G7 potato ¹⁾	0
<p>1) Genetically modified potato with the unique identifier AVE-436-G7.</p> <p>2) The CRM has been produced from conventional, non-modified potato tubers. All potato tubers used for the processing tested positive for amylose during iodine staining. As all tubers were tested before the processing no uncertainty is assigned.</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[®]-BF431a was produced and certified under the responsibility of the Institute for Reference Materials and Measurements of the European Commission's Joint Research Centre 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, September 2012

Signed: _____



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DESCRIPTION OF THE MATERIAL

ERM-BF431a is one of five AV43-6-G7 potato powder certified reference materials (CRMs) containing different mass fractions of this genetically modified potato. ERM-BF431a has been produced from whole potato tubers of non-modified potatoes supplied by Avebe Agro (Foxhol, NL). In accordance with Commission Regulation (EC) No 65/2004, the AV43-6-G7 potato event was assigned the unique identifier code AVE-436-G7. The CRM is supplied in amber glass bottles containing approximately 1 g potato powder packed under argon atmosphere.

The five CRMs (ERM-BF431a, ERM-BF431b, ERM-BF431c, ERM-BF431d and ERM-BF431e) 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).

ANALYTICAL METHODS USED FOR CERTIFICATION

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

PARTICIPANTS

European Commission, Joint Research Centre, Institute for Reference Materials and Measurements (IRMM), Geel (BE), accredited to ISO Guide 34 (BELAC No. 268-RM) and ISO/IEC 17025 (BELAC No. 268-TEST).

SAFETY INFORMATION

The usual laboratory safety precautions apply. The CRM does not contain viable tubers.

INSTRUCTIONS FOR USE AND INTENDED USE

ERM-BF431a is intended to be used for calibration or quality control of methods for the identification and quantification of genetically modified AV43-6-G7 potato in food and feed. The dry CRM powder is hygroscopic. Users are therefore advised to close vials 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.irmm.jrc.be. A paper copy can be obtained from the Joint Research Centre, Institute for Reference Materials and Measurements on request.

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