

JOINT RESEARCH CENTRE
Institute for Reference Materials and Measurements

CERTIFICATE OF ANALYSIS

ERM[®] - BF435b

DRIED POTATO POWDER	
ERM-BF435b ¹⁾	Certified identity ²⁾
	Positive for event PH05-026-0048 ³⁾
<p>¹⁾ Genetically modified potato with the unique identifier BPS-PHØ48-1.</p> <p>²⁾ The certified identity is based on documentary traceability to the BPS-PHØ48-1 application, submitted to the European Food Safety Authority (M-2011-0329), together with metrological traceability for confirmatory PCR measurement results.</p> <p>³⁾ All potato tubers used for processing tested positive in event-specific PH05-026-0048 PCR. The uncertainty related to the identification process was estimated following the principles of ISO/IEC Guide 98-3, Guide to the Expression of Uncertainty in Measurement (GUM:1995), ISO, 2008. The probability of a wrong identification was found to be negligible.</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[®]-BF435b 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, December 2013

INFORMATION ONLY

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DESCRIPTION OF THE MATERIAL

ERM-BF435b is one of the two potato powders certified for its identity with respect to the potato event PH05-026-0048. ERM-BF435b has been produced from whole potato tubers of genetically modified potatoes supplied by BASF Plant Science Company GmbH (Ludwigshafen, DE). The CRM was 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) and is supplied in amber glass bottles containing at least 1 g potato powder packed under argon atmosphere.

In accordance with Commission Regulation (EC) No 65/2004, the PH05-026-0048 potato event was assigned the unique identifier code BPS-PH048-1. According to the information provided by BASF the genetically modified potato tubers used to process ERM-BF435b is tetraploid and one of the four genome copies carries the transgenic insert.

ANALYTICAL METHOD USED FOR CERTIFICATION

Construct- and event-specific polymerase chain reaction

PARTICIPANTS (ANALYTICAL MEASUREMENTS)

European Commission, Joint Research Centre, Institute for Reference Materials and Measurements (JRC-IRMM), Geel (BE), accredited to ISO Guide 34 for the production of certified reference materials (BELAC No. 268-RM) and to ISO/IEC 17025 for GM quantification (not including PH05-026-0048 potato detection) (BELAC No. 268-TEST)

SunGene, BASF Plant Science Company, Gatersleben, DE, accredited to ISO/IEC 17025 for PCR on potato (DGA-PL-6650-.09)

SAFETY INFORMATION

The usual laboratory safety measures apply. The material is for in-vitro use only; it does not contain any viable potato tubers.

INSTRUCTIONS FOR USE AND INTENDED USE

ERM-BF435b is intended to be used as positive control for PH05-026-0048 in DNA-based measurements of food and feed samples. 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 $(4 \pm 3) ^\circ\text{C}$. 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.