

JOINT RESEARCH CENTRE
Directorate F – Health, Consumers and Reference Materials

CERTIFICATE OF ANALYSIS

ERM[®] - BF440a

COTTON POWDER	
Mass Fraction	
	Certified value ²⁾ [g/kg]
DAS-81910-7 cotton ¹⁾	< 0.07 ³⁾
<p>1) Genetically modified cotton with the unique identifier DAS-81910-7.</p> <p>2) The certified reference material has been produced from conventional, non-genetically modified cotton seeds. No contamination was detected in this material when applying an event-specific quantitative polymerase chain reaction (PCR) targeting the DAS-81910-7 cotton event. The certified value is traceable to the International System of Units (SI).</p> <p>3) The limit of detection (LOD) was 0.07 g/kg. With 95 % confidence, the true DAS-81910-7 cotton mass fraction of the material is below 0.07 g/kg.</p>	

This certificate is valid for one year after purchase.

Sales date:

The minimum amount of sample to be used is 200 mg.

Geel, February 2018

Signed: 

Dr Doris Florian
Head of Unit Reference Materials
European Commission, Joint Research Centre
Directorate F – Health, Consumers and Reference Materials
Retieseweg 111
B-2440 Geel, Belgium

DESCRIPTION OF THE MATERIAL

ERM-BF440a is one of the five DAS-81910-7 cotton powder certified reference materials (CRMs) containing different mass fractions of this genetically modified cotton. ERM-BF440a has been produced from whole seeds of non-genetically modified cotton supplied by Dow AgroSciences LLC (Indianapolis, US). In accordance with Commission Regulation (EC) No 65/2004, the unique identifier code DAS-81910-7 was assigned to the DAS-81910-7 cotton event. The CRM is supplied in amber glass bottles containing at least 1 g cotton powder under argon atmosphere.

ANALYTICAL METHODS USED FOR CERTIFICATION

Event-specific quantitative polymerase chain reaction (PCR)

PARTICIPANTS

European Commission's Joint Research Centre, accredited to ISO Guide 34 (BELAC No. 268-RM) and to ISO/IEC 17025 (BELAC No. 268-TEST).

SAFETY INFORMATION

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

INSTRUCTIONS FOR USE AND INTENDED USE

ERM-BF440a is intended to be used for calibration or quality control of methods for the identification and quantification of genetically modified DAS-81910-7 cotton in 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 4 ± 3 °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 certification report is available at <https://crm.jrc.ec.europa.eu/>.

A paper copy is obtainable from the Joint Research Centre, Directorate F – Health, Consumers and Reference Materials on request.



European Commission – Joint Research Centre
Directorate F – Health, Consumers and Reference Materials
Retieseweg 111, B - 2440 Geel (Belgium)
Telephone: +32-(0)14-571.705 - Fax: +32-(0)14-590.406
jrc-rm-distribution@ec.europa.eu