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

CERTIFICATE OF ANALYSIS

ERM®- BF440c

COTTON POWDER		
Mass Fraction		
	Certified value [2] [g/kg]	Uncertainty [3] [g/kg]
DAS-81910-7 cotton [1]	1.00	0.08

1) Genetically modified cotton with the unique identifier DAS-8191Ø-7.

2) The certified value is based on the masses of mixed dried genetically modified DAS-81910-7 cotton powder and of dried non-genetically modified cotton powder, taking into account their respective purity with regard to DAS-81910-7 cotton and their respective water content. The certified value is traceable to the International System of Units (SI).

3) The uncertainty of the certified value is the expanded uncertainty with a coverage factor $k = 2$ corresponding to a level of confidence of approximately 95 % estimated in accordance with ISO/IEC Guide 98-3, Guide to the Expression of Uncertainty in Measurement (GUM:1995), ISO, 2008.

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:

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DESCRIPTION OF THE MATERIAL

ERM-BF440c is one of the five DAS-81910-7 cotton powder certified reference materials (CRMs) containing different mass fractions of this genetically modified cotton. ERM-BF440c has been produced from whole seeds of non-genetically modified cotton and genetically modified DAS-81910-7 cotton, both supplied by Dow AgroSciences LLC (Indianapolis, US). According to the information provided by Dow AgroSciences, the genetically modified cotton seeds used to prepare ERM-BF440 were homozygous. In accordance with Commission Regulation (EC) No 65/2004, the unique identifier code DAS-8191Ø-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

Gravimetry
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-BF440c 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.

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