

Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV

Signatory to the Multilateral Agreements of
EA, ILAC and IAF for Mutual Recognition

Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

Eurofins GeneScan GmbH
Engesserstraße 4, 79108 Freiburg

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the
following fields:

molecular-biologically analysis of food, feed, tobacco and seed

The accreditation certificate shall only apply in connection with the notice of accreditation of 21.11.2011 with the accreditation number D-PL-17111-01 and is valid until 29.06.2013. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 4 pages.

Registration number of the certificate: **D-PL-17111-01-00**

Berlin, 21.11.2011



Andrea Valbuena
Head of Division

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf.

Deutsche Akkreditierungsstelle GmbH

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The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkKS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle GmbH
German Accreditation Body

Annex to the Accreditation Certificate D-PL-17111-01-00
according to DIN EN ISO/IEC 17025:2005

Period of validity: 21.11.2011 to 29.06.2013

Holder of certificate:

Eurofins GeneScan GmbH
Engesserstraße 4, 79108 Freiburg

Tests in the fields:

molecular-biologically analysis of food, feed, tobacco and seed

Abbreviations used: see last page

Without prior information to and approval by DAkkS German Accreditation Body, the laboratory is permitted to implement modifications and developments in the test methods listed in the areas as shown by *.

The listed test methods are seen only as examples.

Type of test: Polymerase Chain Reaction (PCR)

Standard/Date of issue inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique	Test item	
Testing methods according to § 64 „Lebens- und Futtermittelgesetzbuch“ (LFGB)			
ASU L 23.01-22-1 1998-03	Detection of a genetic modification of soybeans	Food, feed, seed	
ASU L 00.00-31 2001-07	Screening for the detection of genetically modified DNA sequences in plant		
Kap. 52B 1.-1.0-4.1.5 1997-12	Swiss screening for the detection of genetically modified DNA sequences in plants		
Inhouse methods - Qualitative DNA based testing methods			
GSE-P-03.3 1998-08	Identification of canola species	Food, feed, seed	
GSE-P-03.4 1998-10	Identification of tobacco species	Tobacco	
GSE-P-03.7 1999-08	Identification of corn species	Food, feed, seed	
GSE-P-03.11 2000-01	Identification of soy species		
GSE-P-04.58 1999-08	Element specific detection of CaMV (Cauliflower Mosaic Virus) 35S promoter		
GSE-P-05.2 1999-08	Modification specific detection of Liberty Link™ Corn		
GSE-P-05.12 1998-08	Modification specific detection of Maximizer™ BT 176 Corn		
GSE-P-05.16 1999-08	Modification specific detection of Roundup Ready™ -Soybean		
GSE-P-05.17 2000-02	Modification specific detection of YieldGard™ Corn		
GSE-P-05.23 2000-05	Modification specific detection of StarLink™ Corn		
Inhouse methods - Qualitative DNA based RealTime testing methods			
GSE-P-08.10 2008-03	Detection of bovine DNA		Food, feed, seed
GSE-P-08.11 2008-03	Detection of pig DNA		
GSE-P-08.12 2008-03	Detection of chicken DNA		
GSE-P-08.13 2008-03	Detection of turkey DNA		

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Standard/Date of issue inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique	Test item
GSE-P-09.15 2008-01	Event specific detection of Roundup Ready™ NK603 Corn	Food, feed, seed
GSE-P-09.16 2008-01	Event specific detection of MIR604 Corn	
GSE-P-09.17 2007-08	Element specific detection of Cauliflower Mosaic Virus 35S-Promoter and element specific detection of <i>Agrobacterium tumefaciens</i> Nopalin Synthase-terminator	
GSE-P-09.19 2008-01	Event specific detection of YieldGard™ Rootworm Corn (MON863)	
GSE-P-09.20 2008-01	Event specific detection of Herculex™ Rootworm (line DAS-59122-7)	
GSE-P-09.21 2008-01	Event specific detection of A2704-12 Soy	
GSE-P-09.24 2008-03	Modification specific detection of Bt63-Rice	
Inhouse Methods - Quantitative DNA based RealTime testing methods		
GSE-P-07.1 1999-12	Soybean species	Food, feed, seed
GSE-P-07.4 1999-12	Roundup Ready™ -Soybean (Modification Specific)	
GSE-P-07.9 2000-12	Roundup Ready™ Corn (GA21, Modification Specific)	
GSE-P-07.10 2001-02	Corn species	
GSE-P-07.13 2001-06	Rape species	
GSE-P-07.34 2001-07	Roundup Ready™ Rape	
GSE-P-07.51	35S-Promoter Cotton	
EFGA 407-01/02.18 2008-02	Quantitative RealTime PCR (ABI7700)	
EFGA 407-01/02.19 2010-08	Quantitative RealTime PCR (ABI7700) - evaluation	

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Individual test method: ELISA

Standard/Date of issue Inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique	Test item
EFGA 407-01/02.48 2003-07	Sandwich-ELISA for quantification of the CP4-EPSPS-Protein from RoundupReady™Soybean	Food, feed, seed

Further applicable documents: DNA extraction from food, feed and vegetable raw materials / crops and seed

Standard/Date of issue Inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique
EFGA 407-01/02.03 2011-07	DNA-extraction using Qiagen
EFGA 407-01/02.04 2011-07	DNA-extraction using CTAB / Chloroform and Isopropanol
EFGA 407-01/02.06 2011-07	DNA-extraction from hexane soluble samples
EFGA 407-01/02.08 2011-07	DNA-extraction from samples with high salt content
EFGA 407-01/02.09 2008-07	DNA-extraction from honey/pollen and honey sediment
EFGA 407-01/02.10 2011-07	DNA extraction from chloroform soluble samples
EFGA 407-01/02.13 2011-07	DNA-extraction from cotton
EFGE 407 L01e 2011-09	Common Types of samples: Homogenisation and DNA Extraction
EFGE 407 L02e 2011-02	Detectionssysteme

Abbreviations used:

ASU	Amtliche Sammlung von Untersuchungsverfahren
GSE	GeneScan Europe AG (inhouse method)
EFGA	Eurofins GeneScan (Standard Operating Procedure/inhouse method)
EFGE	Eurofins GeneScan (supplement to manual chapter)