

DACH Deutsche Akkreditierungsstelle Chemie GmbH

Signatory to EA Multilateral Agreement and ILAC Mutual Recognition Arrangement

represented in the

Deutschen AkkreditierungsRat



Accreditation

The DACH Deutsche Akkreditierungsstelle Chemie GmbH herewith confirms 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 testing in the following area:

Testing area: **Biology**

Types of tests/test methods: PCR, ELISA

Test items: food, animal feed, tobacco

This accreditation is valid until: 05.12.2012

The annex is part of this certificate and comprises 3 pages.

DAR-Registration number: **DAC-PL-0526-07-03**

Frankfurt (Main), 30.06.2008

Dr. A. Steinhorst
Managing Director



This accreditation has been awarded on the basis of an assessment and pursuant to the agreement concluded with the accreditation body with respect to the accreditation of a testing laboratory in accordance with the rules and procedures of the German Accreditation System, in conformity with the standards DIN EN ISO/IEC 17025 and DIN EN ISO/IEC 17011.

The requirements in terms of materials and personnel as specified in DIN EN ISO/IEC 17025 for the specific tests indicated in the accreditation certificate, as well as for the procedures described in the annex to the accreditation certificate, have been met.

Details on the scope of the accreditation (test fields, procedures and specifications) are given in the annex to this accreditation certificate.

The annex and the documents submitted in connection with the accreditation are deemed to form an integral part of it. Any amendments are to be made in writing.

The accreditation is awarded subject to revocation at any time on the fundamental change or lapse of any conditions defined in the agreement and in the annex to this accreditation certificate.

The Deutsche Akkreditierungsstelle Chemie (DACH) has signed the Multilateral Agreement (MLA) of the European Organisation of Accreditation Bodies (EA, European co-operation for Accreditation) and the International Agreement for Mutual Recognition of ILAC (International Laboratory Accreditation Cooperation).

Signatories of the MLA are requested to promote the recognition of accreditations granted in all the other member states in their own country. Therefore laboratories accredited by DACH bear international recognition in the following countries:

Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Costa Rica, People's Republic of China, Cuba, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Greece, Hong Kong (China), India, Indonesia, Ireland, Israel, Italy, Japan, Republic of Korea, Latvia, Lithuania, Malaysia, Mexico, The Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Romania, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Chinese Taipei, Thailand, Turkey, United Kingdom, United States of America, Vietnam.

Accreditation certificate and annex are not to be disseminated in any form other than the present one. The publication of extracts is subject to approval from the accreditation body.

The impression shall not be given that the inspection of the testing laboratory also extends to products and services of the certificate holder which are not covered by this accreditation. If such an impression is given, the accreditation body is entitled to demand that changes be made.

This accreditation according to DIN EN ISO/IEC 17025:2005 is valid until: 05.12.2012

Holder of the Certificate:

Eurofins GeneScan GmbH

Engesserstraße 4

79108 Freiburg

Testing area

- Biology

Types of tests

- PCR

Individual test methods

- ELISA

Flexible scope of accreditation

Within the indicated types of tests and test items the laboratory may modify or introduce test methods without prior approval from DACH. The listed test methods are examples only.



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
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
GSE-P-03.4 1998-10	Identification of tobacco species	Tobacco
GSE-P-03.7 1999-08	Identification of corn species	Food, feed
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
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	
GSE-P-09.15 2008-01	Event specific detection of Roundup Ready™ NK603 Corn	
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	
GSE-P-09.17 2007-08	Element specific detection of <i>Agrobacterium tumefaciens</i> Nopaline Synthase-terminator	
GSE-P-09.19 2008-01	Event specific detection of YieldGard™ Rootworm Corn (MON863)	

Standard/Date of issue Inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique	Test item
GSE-P-09.20 2008-01	Event specific detection of Herculex™ Rootworm (line DAS-59122-7)	Food, feed
GSE-P-09.21 2008-01	Event specific detection of A2704-12 Soja	
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
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	Cotton species	
GSE-P-07.51	Element specific detection of Cauliflower Mosaic Virus 35S-Promoter	
EFGA 407-01/02.18	Quantitative RealTime PCR (ABI7700)	
EFGA 407-01/02.19	Quantitative RealTime PCR (ABI7700) - evaluation	

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 407-01/02.38	Sandwich-ELISA for quantification of the CP4-EPSPS-Protein from RoundupReady™ Soybean	Food, feed

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

Standard/Date of issue Inhouse method/Version	Analyt – Title of the standard Description of sample preparation/testing technique
EFGA 407-01/02.02	DNA-extraction using Qiagen
EFGA 407-01/02.04	DNA-extraction using CTAB / Chloroform and Isopropanol
EFGA 407-01/02.06	DNA-extraction from hexane soluble samples
EFGA 407-01/02.08	DNA-extraction from samples with high salt content
EFGA 407-01/02.09	DNA-extraction from honey/pollen and honey sediment
EFGA 407-01/02.10	DNA extraction from chloroform soluble samples
EFGA 407-01/02.13	DNA-extraction from cotton

For the analysis of: food, animal feed, tobacco

