

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17111-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 24.04.2023

Date of issue: 06.06.2023

Holder of accreditation certificate:

Eurofins GeneScan GmbH
Engesserstraße 4, 79108 Freiburg, Germany

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Tests in the fields:

Molecular biological analysis of food, feed, equipment and commodities in the food sector, plant materials and seeds;
Selected microbiological analysis of feed

Within the given testing field marked with */, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following:**

- * the free choice of standard or equivalent testing methods.**
- ** the modification, development and refinement of testing methods.**

The listed testing methods are exemplary.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

1 Molecular biological analysis of food, feed, equipment and commodities in the food the sector, plant materials and seeds

1.1 DNA extraction for molecular biological analysis of food, feed, equipment and commodities in the food sector, plant materials and seeds **

Qiagen 56504 2020-11	DNA extraction: QIAamp DNA Investigator Kit
3.2.5-SOP21484 V02 2020-03	DNA extraction: Gelatin
3.2.5-SOP24880 V03 2021-02	DNA extraction: Cotton fibres (W)
3.2.5-SOP24884 V04 2021-08	DNA extraction: Precipitation (F)
3.2.5-SOP24886 V02 2020-12	DNA extraction: Hexane (H) and hexane large scale (G)
3.2.5-SOP24900 V05 2022-04	DNA extraction: Honey and honey pollen (P)
3.2.5-SOP24906 V02 2020-12	DNA extraction: Vacuum method (V)
3.2.5-SOP25072 V03 2019-08	DNA extraction: CTAB-KingFisher_K1
3.2.5-SOP25074 V03 2019-08	DNA extraction: SDS-King Fisher_K1

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1.2 Qualitative detection of species and genetically modified organisms (GMOs) in food, feed, equipment and commodities in the food sector, plant materials and seeds by PCR **

EFGT 05.028 2001-02	Modification-specific detection of StarLink corn (GMOIdent StarLink™ Corn, Eurofins GeneScan Technologies GmbH)
EFGT 05.053 2012-06	Modification-specific detection of SeedLink rapeseed (GMOIdent Mini-Kit SeedLink™ Canola, Eurofins GeneScan Technologies GmbH)
GS-P-05.069 2010-07	Modification-specific detection of 35S-hpt (Kefeng 6 and other GMOs)

1.3 Qualitative and quantitative detection of species, viruses and bacteria and genetically modified organisms (GMOs) in food, feed, equipment and commodities in the food sector, plant materials and seeds by real-time PCR **

ASU G 30.40-16 2017-10	Detection of the nos gene from Ti-plasmids of agrobacteria in plant material by real-time PCR – element-specific method
ASU G 30.40-17 2017-10	Detection of cauliflower mosaic virus DNA (ORF V) in plant material by real-time PCR – element-specific method
CRL-VL-03/05VP 2007-06	Event-specific method for the quantitation of maize 59122 using real-time PCR
CRL-VL-04/07VP 2010-03	Event-specific Method for the Quantification of Soybean Event DP-356043-5 Using Real-time PCR
EFGT 07.106 2016-01	Quantification of the AgroBorder II sequence in soybean (GMOQuant Agroborder II Screen Soy, Eurofins GeneScan Technologies GmbH)
EFGT 08.020 2016-04	Species detection of horse (DNAnimal Ident Horse IPC, Eurofins GeneScan Technologies GmbH)
EFGT 08.035 2014-12	Detection of ruminant DNA (DNAnimal Screen Ruminant IPC, Eurofins GeneScan Technologies GmbH)
EFGT 08.041 2016-10	Species detection of pig (DNAnimal Ident Pork IPC, Eurofins GeneScan Technologies GmbH)

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EFGT 09.016 2008-01	Event-specific detection of MIR604 corn (GMOIdent RT IPC Event MIR604 Corn, Eurofins GeneScan Technologies GmbH)
EFGT 09.053 2010-05	Event-specific detection of DP098140-6 corn (GMOIdent RT IPC Event DP098140-6 Corn, Eurofins GeneScan Technologies GmbH)
EFGT 09.115 2015-07	Event-specific detection of A2704-12 soybean (GMOIdent RT IPC Event A2704-12 Soy, Eurofins GeneScan Technologies GmbH)
EFGT 10.002 2016-07	Quantification of soy content (SpeciesQuant Botanical Impurity Soy, Eurofins GeneScan Technologies GmbH)
GS-P-07.051 2006-03	Quantification of the 35S promotor in cotton
GS-P-09.095 2014-03	Modification-specific detection of the transition ubiquitin promotor – gat4621 gene
GS-P-09.102 2016-07	Species detection of FMV

1.4 Qualitative and quantitative detection of species, viruses and bacteria and genetically modified organisms (GMOs) in food, feed, equipment and commodities in the food sector, plant materials and seeds by multiplex PCR **

EFGT 09.136 2018-02	Element-specific detection of cauliflower mosaic virus 35S promotor, Agrobacterium tumefaciens nopaline synthase terminator and Figwort mosaic virus 34S promotor (GMOScreen RT IPC 35S/NOS/FMV, Eurofins GeneScan Technologies GmbH)
EFGT 09.218 2021-04	Event-specific detection of MIR162, MIR604 and 5307 corn (GMOIdent IPC MIR162/MIR604/5307 Corn, Eurofins GeneScan Technologies GmbH)
GS-P-09.092 2014-04	Modification-specific detection of transition SAMS promotor – als gene and event-specific detection of CV127
GS-P-09.118 2016-02	Detection of Agroborder I and Agroborder II sequences

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1.5 Qualitative and quantitative detection of species and genetically modified organisms (GMOs) in food, feed, plant materials and seeds by digital PCR

GS-P-17.001 Event-specific quantification of MON87701 soybean by ddPCR
2016-06

1.6 Determination of bacteria in feed by real-time PCR

EFGT 02.014 Salmonella spp.
2014-09 (BACGene Salmonella spp., Eurofins GeneScan Technologies GmbH)

2 Selected microbiological analysis of feed

DIN EN ISO 6579-1 Microbiology of the food chain – Horizontal method for the
2020-08 detection, enumeration and serotyping of Salmonella – Part 1:
 Detection of Salmonella spp.
 (*Restriction: Application only to feed, selective enrichment in
 Rappaport-Vassiliadis broth only*)

Abbreviations used:

ASU	<i>Amtliche Sammlung von Untersuchungsverfahren (Official Collection of Test Methods) on the basis of Section 64 LFGB (German Food and Feed Act) or Section 28b GenTG (German Genetic Engineering Act)</i>
CRL	Community Reference Laboratory
DIN	<i>Deutsches Institut für Normung e. V. (German Institute for Standardisation)</i>
EFGT	Eurofins GeneScan Technologies GmbH, manufacturer of kits
EN	<i>European standards</i>
GS	In-house method of Eurofins GeneScan GmbH
IEC	<i>International Electrotechnical Commission</i>
ISO	International Organization for Standardization
PCR	Polymerase chain reaction
SOP	In-house method of Eurofins GeneScan GmbH

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