Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14412-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 10.01.2020

Date of issue: 10.01.2020

Holder of certificate:

FoodChain ID Testing GmbH
Am Mittleren Moos 48, 86167 Augsburg

Tests in the fields:

molecular biological analyses of food, feed, plant material, seeds and other biological material from agriculture and horticulture;
immunological analyses of food and feed;

Veterinary medicine
Testing area: Genetics (molecular genetics)

Within the given testing field marked with *), the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods.

Within the given testing field marked with **), the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the modification, development and refinement of testing methods.

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

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

Abbreviations used: see last page

1 Sample preparation for molecular biological and immunological analyses of food, feed, plant material, seeds and other biological material from agriculture and horticulture

1.1 Mechanical sample preparation for molecular biological and immunological analyses **

LP 01A-EU 2018-05	Methods for mechanical sample preparation for molecular biological and immunological analyses
LPA 01-EU 2018-05	Methods for the preparation of analysis samples for the extraction of DNA

1.2 Extraction of DNA for molecular biological analyses **

LP 02C-EU 2019-01	Methods for the extraction and purification of DNA with techniques like sold phase extraction, CTAB-based methods, silica-based adsorption methods and semi-automatic with the KingFisher Flex System
LP 02D-EU 2019-01	Methods for the extraction and purification of DNA from viscous samples
LP 02E-EU 2019-01	Methods for the extraction and purification of DNA from pollen containing samples

2 Molecular biological methods

2.1 Detection of genetically modified organisms and plant species in food, feed, plant material, seeds and other biological material from agriculture and horticulture using PCR **

QP 08-EU-GM-0089 2018-08	Detection of RBMT21-129, RBMT21-350, RBMT22-082 (New Leaf Plus) potato
QP 08-EU-Sp-0043 2018-08	Detection of tomato
QP 08-EU-Sp-0047 2018-08	Detection of zucchini

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2.2 Detection and quantification of genetically modified organisms and plant and animal species in food, feed, plant material, seeds and other biological material from agriculture and horticulture using real-time PCR **

QP 08-EU-GM-0016 2018-08	Detection of the NOS Promoter
QP 08-EU-GM-0036 2018-08	Detection and quantification of DP-356043-5 soy
QP 08-EU-GM-0037 2018-08	Detection and quantification of DP-305423-1 soy
QP 08-EU-GM-0039 2018-08	Detection and quantification of MON87701 soy
QP 08-EU-GM-0064 2018-08	Detection and quantification of 3272 corn/maize
QP 08-EU-GM-0065 2018-08	Detection and quantification of MIR 604 corn/maize
QP 08-EU-GM-0068 2018-08	Detection and quantification of MON87460 corn/maize
QP 08-EU-GM-0069 2018-08	Detection and quantification of MON87427 corn/maize
QP 08-EU-GM-0071 2018-08	Detection and quantification of 5307 corn/maize
QP 08-EU-GM-0078 2018-08	Detection and quantification of MON88302 rapeseed
QP 08-EU-GM-0080 2018-08	Detection and quantification of DP-073496-4 rapeseed
QP 08-EU-GM-0082 2018-08	Detection and quantification of MON15985 cotton
QP 08-EU-GM-0085 2018-08	Detection of LL601 rice

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QP 08-EU-GM-0086 2018-08	Detection of LL62 rice
QP 08-EU-GM-0087 2018-08	Detection of Bt63 rice
QP 08-EU-GM-0091 2018-08	Detection and quantification of H7-1 sugar beet
QP 08-EU-Sp-0021 2018-08	Detection of horse
QP 08-EU-Sp-0024 2018-08	Detection of myrtle
QP 08-EU-Sp-0025 2018-08	Detection and quantification of ogura DNA
QP 08-EU-Sp-0026 2018-08	Detection of olive
QP 08-EU-Sp-0027 2018-08	Detection of oregano
QP 08-EU-Sp-0033 2018-08	Detection of pork

2.3 Quantification of genetically modified organisms and plant species in food, feed, plant material, seeds and other biological material from agriculture and horticulture using multiplex PCR **

QP 08-EU-GM-0001 2018-08	Detection of CaMV 35S Promotor, NOS Terminator, FMV Promotor
QP 08-EU-GM-0055 2018-08	Detection of TC1507, MON810, NK603, GT73, Ms8, Rf3
QP 08-EU-Sp-0002 2018-08	Detection of almond, macadamia, pistachio, walnut
QP 08-EU-Sp-0009 2018-08	Detection of cashew, peanut, hazelnut, pecan

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2.4 Quantification of genetically modified organisms and plant species in food, feed, plant material, seeds and other biological material from agriculture and horticulture using digital PCR **

QP 08-EU-GM-0031 2018-08	Quantification of MON40-3-2 soy using digital PCR
QP 08-EU-GM-0034 2018-08	Quantification of MON89788 soy using digital PCR

2.5 Identification of animal species in food, feed, plant material, seeds and other biological material from agriculture and horticulture using DNA barcoding

LP B01 2018-04	Identification of species in animal tissue (DNA barcoding)

3 Immunological Analyses

3.1 Immunological quantification of protein in food and feed with ELISA using test kits *

Ridascreen® Gliadin No.: R7001, r-biopharm 15-10-09	Quantification of Gliadin with ELISA (test kit)
Ridascreen® FAST Peanut No.: R6202, r-biopharm 16-03-20	Quantification of Peanut with ELISA (test kit)
nutriLínia® Soja-E (STI) No.: NC-6011/48 ; NC-6011/96, Romer Labs 23.02.2017	Quantification of Soy with ELISA (test kit) (deviation: *Matrix here food and feed*)

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4 Veterinary medicine

4.1 Amplification methods

Analyte (measure)	Specimen (matrix)	Technique
β-Casein genotype	animal DNA (cattle) from blood, hair, tissue, sperm, oral mucosa, milk	Single Nucleotide Polymorphism (SNP): real-time PCR and allelic classification of PCR products (LP V01-EU)

Abbreviations used:

DIN	Deutsches Institut für Normung
DNA	Deoxyribonucleic acid
ELISA	Enzyme-linked immunosorband assay
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
LP XXX	Company-internal method by FoodChain ID Testing GmbH
QP XXX	Company-internal method by FoodChain ID Testing GmbH
PCR	Polymerase chain reaction

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