

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-18348-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 02.07.2013 to 01.07.2018

Date of issue: 13.08.2013

Holder of certificate:

**CONGEN Biotechnologie GmbH**  
**Robert-Rössle-Straße 10, 13125 Berlin**

Tests in the fields:

**molecular biological and immunological based testing for the presence of specific sequences or structures in food, feed, vegetable raw materials, seeds, pharmaceutical raw materials as well as substances in contact with foodstuffs**

Abbreviations used: see last page

**The laboratory is permitted within the specified testing fields marked with \*\* the free choice of standard or equivalent test methods as well as modification, development and refinement of test methods without being required to inform and obtain prior approval from DAkkS. The listed test methods are exemplary. The laboratory maintains a current list of all test methods in a flexible scope of accreditation.**

**The laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standard test methods listed here with different issue dates or revision status updates .**

**1 Qualitative assays of food, feed, vegetable raw materials, seeds, pharmaceutical raw materials as well as substances in contact with foodstuffs**

**1.1 Qualitative assays of genetically modified organisms by PCR \*\***

ASU L 00.00-122  
2008-06

Analysis of food – Detection of specific, commonly found DNA-sequences used in genetically modified organisms (GMO) of the cauliflower-mosaic virus (CaMV 35S-Promotor, P35S) as well as *Agrobacterium tumefaciens* (T-nos) in food - screening-procedure

***In connection with***

*SOP 900-12 2012-08 Qualitative detection of GMOs in food and feed as well as seed using real-time PCR*

*SureFood GMO SCREEN 35S/NOS/FMV*

*SureFood GMO SCREEN 4plex 35S/NOS/FMV+IAC*

*SureFood GMO SCREEN 35S*

*SureFood GMO SCREEN NOS*

SOP 900-12  
2012-08

Qualitative detection of GMOs in food and feed as well as seed using real-time PCR

SureFood GMO SCREEN FMV

SureFood GMO ID Roundup Ready Soya

SureFood GMO ID MON810 Corn

SureFood GMO ID RR2Y Soya

SureFood GMO ID Bt63 Rice

SureFood GMO ID MIR162 Corn

**1.2 Qualitative assays of allergens by PCR \*\***

|                      |  |
|----------------------|--|
| SOP 900-5<br>2011-07 | Qualitative detection of allergens in food using real-time PCR<br>SureFood ALLERGEN Soya<br>SureFood ALLERGEN Hazelnut<br>SureFood ALLERGEN Almond<br>SureFood ALLERGEN Peanut<br>SureFood ALLERGEN Mustard<br>SureFood ALLERGEN Celery<br>SureFood ALLERGEN Sesame<br>SureFood ALLERGEN Gluten<br>SureFood ALLERGEN Fish<br>SureFood ALLERGEN Walnut<br>SureFood ALLERGEN Crustaceans<br>SureFood ALLERGEN Pistachio<br>SureFood ALLERGEN Cashew<br>SureFood ALLERGEN Molluscs<br>SureFood ALLERGEN Lupin |
|----------------------|--|

**1.3 Qualitative assays of microorganisms by PCR \*\***

|                           |   |
|---------------------------|---|
| DIN 10135<br>2013-05      | Method for the detection of Salmonella using the Polymerase Chain Reaction (PCR)      |
| and                       |   |
| ASU L 00.00-98<br>2007-04 | Analysis of food - Qualitative detection of Salmonella in food; „real-time“ PCR-assay |

***In connection with***

|                              |  |
|------------------------------|--|
| <i>SOP 900-6<br/>2012-08</i> | <i>Detection of microorganisms in food and feed using real-time PCR<br/>SureFood PATHOGEN Salmonella</i> |
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ASU L 07.18-1  
2002-05                      Analysis of food – Detection, isolation and differentiation of Verotoxin-producing E. coli (VTEC) in ground meat using PCR and DNA hybridisation technique

***In connection with***

*SOP 900-6              Detection of microorganisms in food and feed  
2012-08              using real-time PCR  
                                 SureFood PATHOGEN STEC Screening*

SOP 900-6                      Detection of microorganisms in food and feed using real-time PCR  
2012-08                              SureFood PATHOGEN Campylobacter  
                                 SureFood PATHOGEN Listeria monocytogenes  
                                 SureFood BAC Listeria Screening

**2      Quantitative assays of food, feed, vegetable raw material, seeds, pharmaceutical raw material as well as substances in contact with foodstuffs**

**2.1    Quantitative assays of genetically modified organisms by PCR \*\***

SOP 900-4                      Quantitative detection of GMOs in food and feed as well as seed  
2012-08                              using real-time PCR  
                                 SureFood GMO QUANT Roundup Ready Soya  
                                 SureFood GMO QUANT MON810 Corn  
                                 SureFood GMO QUANT RR2Y Soya

**2.2    Quantitative assays of animal species by PCR \*\***

SOP 900-7                      Quantitative detection of animal species in food and feed using  
2005-08                              real-time PCR  
                                 SureFood Animal QUANT Beef  
                                 SureFood Animal QUANT Pork

### 2.3 Quantitative assay of microorganisms by PCR \*\*

SOP 900-14  
2007-11                      Quantitative detection of microorganisms in tablets, culture liquids and lysate mixtures using real-time PCR  
SureClin E. coli

### 2.4 Quantitative assays of allergens by ELISA (via commercial test kits) \*\*

SOP 900-11  
2012-08                      Detection of allergens in food using protein ELISA  
Ridascreen Gliadin Protein ELISA  
Ridascreen FAST Egg Protein ELISA  
Ridascreen FAST Peanut Protein ELISA  
Ridascreen FAST Almond Protein ELISA  
Ridascreen FAST Hazelnut Protein ELISA  
Neogen Veratox Total Milk Allergen Test

### 3 DNA-extraction procedures \*\*

SOP 900-1  
2003-09                      DNA extraction from animal matrices –  
SureFood PREP Animal

SOP 900-2  
2012-07                      DNA extraction from plant matrices –  
SureFood PREP Plant

SOP 900-10  
2012-07                      DNA extraction from food –  
SureFood PREP Allergen

SOP 900-3  
2008-12                      Nucleic acid extraction from microorganisms  
SureFood PREP Salmonella  
SureFood PREP Campylobacter  
SureFood PREP Listeria  
SureFood PREP Bacteria I  
SureFood PREP E. coli

SOP 900-13  
2007-08                      Nucleic acid extraction from tablets, culture liquids and lysate mixtures

**Abbreviations used:**

|      |  |
|------|--|
| ASU  | Amtliche Sammlung von Untersuchungsmethoden (official collection of test methods) according to § 64 LFGB |
| DIN  | Deutsches Institut für Normung e. V.   |
| EN   | European Standard  |
| LFGB | Lebensmittel- und Futtermittelgesetzbuch (German Food and Feed Law)                                      |
| SOP  | Standard Operation Procedure of the CONGEN Biotechnologie GmbH and assays with commercial test kits      |