

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 Medigenomix GmbH

Fraunhoferstr. 22

82152 Martinsried

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out testing

in the field of:

Forensic Genetics
Veterinary Molecular Diagnostics
Food Authenticity

using individual test methods of:

PCR (Parentage analysis, DNA-profiling for DNA databases, scrapie disposition, authenticity testing of Basmati rice)

for the analysis of

Genomic and mitochondrial DNA from:

- Saliva, blood and buccal scrapes or mouth swabs
- Whole blood or tissue samples from sheep
- Rice grains

This accreditation is valid until: 5th February 2012

The annex is part of this certificate and comprises 2 pages.

DAR registration number: **DAC-PL-0495-07-00**

Frankfurt/Main, 6th February 2007

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, 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.

Annex for Accreditation Certificate DAC-PL-0495-07-00 (06.02.2007)

The Accreditation is valid until: 05.02.2012

Certificate owner:

Eurofins Medigenomix GmbH

Fraunhoferstr. 22

82152 Martinsried

Tests in the fields of:

- Forensic Genetics
- Veterinary Molecular Diagnostics
- Food Authenticity

Individual test methods of:

- PCR (Parentage analysis, DNA-profiling for DNA databases, scrapie disposition, authenticity testing of Basmati rice)

Analytical field: Forensic Genetics

Individual test methods of PCR

Detection of amplification products by fragment length analysis (Microsatellite Analysis)

Test parameter	Test material	Test method
Genotype, parentage	Genomic DNA from saliva, blood, and mouth swabs or buccal scrapes	Multiplex-PCR with commercial STR-kits; e. g. <i>Powerplex 16</i> , <i>Powerplex ES</i> (Promega), <i>Y-Plex</i> , or <i>SGM-Plus</i> (ABI), Capillary electrophoresis of PCR products and data analysis
Genotype, parentage	Mitochondrial DNA from saliva, blood, and mouth swabs or buccal scrapes	Singleplex PCR with HV1 and HV2 specific primers Sequencing of PCR products. Sequence comparison with database

Analytical field: Veterinary Molecular Diagnostics

Individual test methods of PCR

Detection of amplification products by fragment length analysis (Microsatellite Analysis)

Test parameter	Test material	Test method
Genetic predisposition for Scrapie (PrP-Gene)	Whole blood or tissue from sheep	Singleplex PCR with PrP-gene specific primers. Sequencing of PCR products and sequence comparison

Analytical field: Food Authenticity

Individual test methods of PCR

Detection of amplification products by Fragment Length Analysis (Microsatellite Analysis)

Test parameter	Test material	Test method
Genotype, Authenticity	Rice grains	Multiplex PCR with a rice specific STR marker set. Capillary electrophoresis of PCR-Products

For analysis of:

Genomic and mitochondrial DNA from:

- Saliva, blood and buccal scrapes or mouth swabs
- Whole blood or tissue samples from sheep
- Rice grains