

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14308-02-00
according to ISO/IEC 17025:2005

Period of validity: 26.11.2019 to 05.02.2022

Date of issue: 26.11.2019

Holder of certificate:

Toxicology and Bioanalysis Section
Department of Pathology and Laboratory Medicine (DPLM)
in King Faisal Specialist Hospital and Research Center
3354, MBC 10, 11211 Riyadh

Tests in the fields:

selected chemical and microbiological analysis of food stuff, raw, drinking and bottled water as well as herbal remedies

Abbreviations used: see last page

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1 Analysis of food stuff

1.1 Chemical analysis

HPLC-MNC-03-05 2012-01	Benzo(a)pyrene in olive oil by HPLC-FLD
HPLC-MNC-01-05 2015-04	Determination of sugars in honey by HPLC-RI (Modification: only glucose, fructose and sucrose)
HPLC-MNC-05-04 2013-06	Determination of aflatoxins in food and feed by HPLC with post-column photochemical derivatization
TE-MNC-02-04 2012-01	Determination of arsenic, lead, cadmium and mercury in herbal products and cosmetics by ICP-MS
GCMS-MNC-01-06 2012-01	Determination of 3-MCPD in food and food ingredients using GC/MS in SIM mode
GCMS-MNC-03-07 2016-11	GC/MS undirected screening of toxicologically relevant components in herbal remedies

1.2 Microbiological analysis

Health Protection Agency Method F10 2005-05	Aerobic Plate Count at 30°C - Surface Plate Method
Health Protection Agency Method F12 2016-08	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) (Modification: <i>only Staphylococcus aureus</i>)
Health Protection Agency Method F13 2014-03	Detection of <i>Salmonella</i> species
Health Protection Agency Method F23 2005-05	Enumeration of Enterobacteriaceae by the colony count Technique
FM-MNC-28-04 2012-01	Enumeration of yeasts and moulds

2 Analysis of water

2.1 Chemical analysis

TE-MNC-01-05 2012-01	Determination of elements in water by ICP-MS
TE-MNC-03-03 2012-01	Determination of elements in water by ICP-OES
TE-MNC-06-02 2012-01	Determination of anions in water by ICS 2000
TE-MNC-07-02 2012-01	Determination of bromate and bromide in water by HPLC/ICP-MS

2.2 Microbiological analysis

Health Protection Agency Method W4 2008-08	Colony Count by the Pour Plate Method (Incubation temperatures 22°C and 37°C)
S.M. 9221 E. 2005	Faecal coliform Procedure
FM-MNC-39-01 2012-01	Enumeration of coliforms and Escherichia coli by membrane filtration using MILLIFLEX™ -100 (MILLIPORE)
FM-MNC-40-01 2012-01	Enumeration of Pseudomonas aeruginosa by membrane filtration using MILLIFLEX™ -100 (MILLIPORE)
FM-MNC-41-01 2012-01	Enumeration of Enterococci by membrane filtration using MILLIFLEX™ -100 (MILLIPORE)

3 Analysis of herbal remedies

3.1 Chemical analysis

HPLC-MNC-04-06 2016-10	Determination of Sildenafil in herbal products by HPLC-UV
TE-MNC-02-04 2012-01	Determination of arsenic, lead, cadmium, thallium and mercury in herbal products by ICP-MS

3.2 Microbiological analysis

FM-MNC-30-04
2012-01 Protocols for Microbiological Analysis of Herbals
(total viable aerobic count, Escherichia coli, Salmonella spp.,
Enterobacteriaceae, Pseudomonas aeruginosa, Staphylococcus
aureus, Shigella spp., yeasts and moulds)

Abbreviations used:

FM-MNC-...-	Laboratory in-house test method of <i>Toxicology and Bioanalysis Section Department of Pathology and Laboratory Medicine (DPLM)</i> (Food Microbiology - Miscellaneous Non-Clinical ...)
GCMS-MNC-...-	Laboratory in-house test method of <i>Toxicology and Bioanalysis Section Department of Pathology and Laboratory Medicine (DPLM)</i> (GCMS - Miscellaneous Non-Clinical ...)
HPLC-MNC-...-	Laboratory in-house test method of <i>Toxicology and Bioanalysis Section Department of Pathology and Laboratory Medicine (DPLM)</i> (HPLC- Miscellaneous Non-Clinical ...)
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
S.M.	Standard Methods for the Examination of Water and Wastewater 21st edition, 2005, prepared and published by American Public Health Association, American Water Works Association, Water Environment Federation
TE-MNC-...-	Laboratory in-house test method of <i>Toxicology and Bioanalysis Section Department of Pathology and Laboratory Medicine (DPLM)</i> (Trace elements - Miscellaneous Non-Clinical ...)