

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19977-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.09.2024

Valid to: 16.09.2029

Date of issue: 17.09.2024

Holder of accreditation certificate:

**Eurofins Food Testing Hong Kong Limited
Flat A, 13/F Hoover Industrial Building,
26-38 Kwai Cheong Road, Kwai Chung
NEW TERRITORIES, HONGKONG**

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 in the annexes to the partial accreditation certificates listed below.

D-PL-19977-01-01

D-PL-19977-01-02

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

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>.

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19977-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 17.09.2024 **Valid to:** 16.09.2029
Date of issue: 17.09.2024

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Holder of partial accreditation certificate:

**Eurofins Food Testing Hong Kong Limited
Flat A, 13/F Hoover Industrial Building,
26-38 Kwai Cheong Road, Kwai Chung
NEW TERRITORIES, HONGKONG**

with the location

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Flat A, 13/F Hoover Industrial Building,
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The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Microbiological analysis of food, feeding stuff and air, fitment and utensils in food areas

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.

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

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 Microbiological analysis of food, feeding stuff and air fitment and utensils in food areas

1.1 Cultural microbiological analysis of bacteria in food and feeding stuff *

BS EN ISO 7932 2004-06	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> - Colony-count technique at 30 °C
ISO 11290-1 2017-05	Microbiology of the food chain - Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. - Part 1: Detection method (Modification: <i>Modification of the isolation media and the haemolysis test, and inclusion of precision data</i>)
ISO 11290-2 2017-05	Microbiology of the food chain - Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. - Part 2: Enumeration method; (Modification: <i>Modification of the enumeration medium</i>)
ISO 16649-2 2001-04	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of β -glucuronidase-positive <i>Escherichia coli</i> - Part 2: Colony-count technique at 44 °C using 5-bromo-4-chloro-3-indolyl β -D-glucoronide
ISO 16654 2001-05	Microbiology of food and animal feeding stuffs - Horizontal method for the detection of <i>Escherichia coli</i> O157 (Modification: <i>also Escherichia coli O157:H7</i>)
ISO 21528-2 2017-06	Microbiology of the food chain - Horizontal method for the detection and enumeration of <i>Enterobacteriaceae</i> - Part 2: Colony-count technique
ISO 21872-1 2017-06	Microbiology of the food chain - Horizontal method for the determination of <i>Vibrio</i> spp. - Part 1: Detection of potentially enteropathogenic <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i>
ISO 6888-1 2021-08	Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) - Part 1: Method using Baird-Parker agar medium

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BS EN ISO 21567 2004-11	Microbiology of foods and animal feeding stuffs - Horizontal method for the detection of <i>Shigella</i> spp.
US FDA BAM Chapter 4A 2016-08	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Diarrheagenic Escherichia coli</i>
US FDA BAM Chapter 3 2001-01	Bacteriological Analytical Manual - General Guidelines/Procedures Aerobic Plate Count (Modification: $30 \pm 1^\circ\text{C}$ for ready-to-eat food or $37 \pm 1^\circ\text{C}$ for edible Ice)
US FDA BAM Chapter 4 2017-07	Bacteriological Analytical Manual - Methods for Specific Pathogens Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria (Limitation: only I. Conventional Method for coliforms, fecal coliforms and <i>E. coli</i> and G: Solid medium Method - Coliforms)
US FDA BAM Chapter 5 2016-08	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Salmonella</i>
US FDA BAM Chapter 10 2017-03	Bacteriological Analytical Manual - Methods for Specific Pathogens Detection and Enumeration of <i>Listeria monocytogenes</i> in Foods
US FDA BAM Chapter 12 2016-03	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Staphylococcus aureus</i>
US FDA BAM Chapter 14 2012-02	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Bacillus cereus</i> (Modification: biochemical Confirmation by bioMérieux, API® 50 CH, Ref. 50300, 2020-10)
US FDA BAM Chapter 16 2001-01	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Clostridium perfringens</i>
AOAC Method Number 991.14 2002-03	Coliform and <i>Escherichia coli</i> Counts in Foods
AOAC Method Number 998.08 Final Action 2002	Confirmed <i>Escherichia coli</i> Counts in Poultry, Meats, and Seafood

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AOAC Method Number 2000.14 First Action 2000	Reveal of <i>E. coli</i> O157:H7 test in selected foods and environmental swabs (20-Hours Method)
AOAC Method Number 2003.07 Final Action 2006	Enumeration of <i>Staphylococcus aureus</i> in selected types of processed and prepared foods (Modification: <i>also for feeding stuff</i>)
AOAC Method Number 2003.08 Final Action 2003	Enumeration of <i>Staphylococcus aureus</i> in selected dairy foods: Collaborative Study (Modification: <i>also for feeding stuff</i>)
AOAC Method Number 2003.11 Final Action 2007	Enumeration of <i>Staphylococcus aureus</i> in selected meat, seafood and poultry (Modification: <i>also for feeding stuff</i>)
AOAC Method Number 2014.01 Final Action 2017	<i>Salmonella</i> in selected foods (Modification: <i>also for feeding stuff</i>)
APHA Chapter 34 Page 413 to 420 2015-05	APHA Compendium of Methods for the Microbiological Examination of Foods - Pathogenic <i>Escherichia coli</i>
GB 4789.2 2016-12	National Food Safety Standard of the People's Republic of China, Food microbiological examination: Aerobic Plate Count
AOAC Method Number 986.33 Final Action 1988 (Revision 2022-03)	Bacterial and Coliform Counts in Milk, Dry Rehydratable Film Methods (Petrifilm™ Aerobic Count Plate and Petrifilm™ Coliform Count Plate) (Limitation: <i>applied only for Aerobic Count Plate</i>)
AOAC Method Number 990.10 Final Action 1994 (Revision 2002-03)	Bacterial and Coliform Counts in Dairy Products, Dry Rehydratable Film Methods (Petrifilm™ Aerobic Count Plate and Petrifilm™ Coliform Count Plate) (Limitation: <i>applied only for Aerobic Count Plate</i>)
AOAC Method Number 990.12 Final Action 1994 (Revision 2022-03)	Aerobic Plate Count in Foods, Dry Rehydratable Film (Petrifilm™ Aerobic Count Plate)
ISO 15214 1998-08	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of mesophilic lactic acid bacteria - Colony-count technique at 30 °C (Limitation: <i>applied only for food</i>)

APHA
Chapter 6
Page 85 to 86
2015-05

APHA Compendium of Methods for the Microbiological Examination of
Foods - Anaerobic or Other Atmospheres (Mesophilic Anaerobic
Bacterial Count in Food)

1.2 Cultural microbiological analysis of bacteria, yeasts and moulds in air, fitment and utensils in food areas *

ISO 11290-2
2017-05

Microbiology of the food chain - Horizontal method for the detection
and enumeration of *Listeria monocytogenes* and of *Listeria* spp. - Part 2:
Enumeration method
(Modification: *Modification of the enumeration medium*)

ISO 16649-2
2001-04

Microbiology of food and animal feeding stuffs - Horizontal method for
the enumeration of β -glucuronidase-positive *Escherichia coli* - Part 2:
Colony-count technique at 44 °C using 5-bromo-4-chloro-3-indolyl
 β -D-glucoronide
(Modification: *here also for fitment and utensils in food areas*)

ISO 21528-2
2017-06

Microbiology of the food chain - Horizontal method for the detection and
enumeration of *Enterobacteriaceae* - Part 2: Colony-count technique

ISO 21872-1
2017-06

Microbiology of the food chain - Horizontal method for the
determination of *Vibrio* spp. - Part 1: Detection of potentially
enteropathogenic *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio*
vulnificus
(Modification: *here also for fitment and utensils in food areas*)

BS EN ISO 21567
2004-11

Microbiology of food and animal feeding stuffs - Horizontal method for
the detection of *Shigella* spp.
(Modification: *here also for fitment and utensils in food areas*)

AOAC
Method Number 991.14
Final Action 1994
Revised: March 2002

Coliform and *Escherichia coli* Counts in Foods
(Modification: *here also for fitment and utensils in food areas*)

AOAC
Method Number 2000.14
First Action 2000

Reveal for *E. coli* O157:H7 Test in Selected Foods and Environmental
Swabs (20-Hours Method)

US-FDA BAM
Chapter 4A
2016-08

Bacteriological Analytical Manual - Methods for Specific Pathogens
Diarrheagenic *Escherichia coli*

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US-FDA BAM Chapter 5 2016-08	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Salmonella</i>
US-FDA BAM Chapter 3 2001-01	Bacteriological Analytical Manual - General Guidelines/Procedures Aerobic Plate Count (Modification: <i>here 35 ± 1°C for fitment and utensils in food areas</i>)
US-FDA BAM Chapter 4 2017-07	Bacteriological Analytical Manual - Methods for Specific Pathogens Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria - I. Conventional Method for coliforms, fecal coliforms and <i>E. coli</i> - G: Solid medium Method - Coliforms (Modification: <i>here also for fitment and utensils in food areas</i>)
US-FDA BAM Chapter 16 2001-01	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Clostridium perfringens</i> (Modification: <i>here also for fitment and utensils in food areas</i>)
US-FDA BAM Chapter 10 2017-03	<i>Bacteriological Analytical Manual</i> - Methods for Specific Pathogens Detection and Enumeration of <i>Listeria monocytogenes</i> in Foods and Environmental Samples
US-FDA BAM Chapter 12 2016-03	Bacteriological Analytical Manual - Methods for Specific Pathogens <i>Staphylococcus aureus</i> (Modification: <i>here also for fitment and utensils in food areas</i>)
APHA Chapter 3 Page 37 2015-05	Compendium of Methods for The Microbiological Examination of Foods - Aerobic Colony Count in environmental air using Plate Count Method
APHA Chapter 3 Page 37 2015-05	Compendium of Methods for The Microbiological Examination of Foods - Yeasts and Molds Count in environmental air sample using Plate Count Method
APHA Chapter 34 Page 413 to 420 2015-05	APHA Compendium of Methods for the Microbiological Examination of Foods - Pathogenic <i>Escherichia coli</i>

1.3 Cultural microbiological analysis of yeasts and moulds in food and feeding stuff *

ISO 21527-1 2008-07	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 1: Colony count technique in products with water activity greater than 0,95
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ISO 21527-2 2008-07	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 2: Colony count technique in products with water activity less than or equal to 0,95
US FDA BAM Chapter 18 2001-04	Bacteriological Analytical Manual - Yeasts, Molds and Mycotoxins (Limitation: <i>without analysis of mycotoxins</i>)

Abbreviations used:

AOAC	Association of Analytical Communities
APHA	American Public Health Association
BS	British Standard
EN	European Standard
FDA	Food and Drug Administration
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
US-FDA BAM	Bacteriological Analytical Manual of the U.S. Food & Drug Administration

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Testing in the fields:

Selected physical and microbiological analysis of water (surface water, waste water, process water, water from cooling plants, bathing water, fish tank water, drinking water, mineral- and table water)

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1 Testings of water (surface water, waste water, process water, water from cooling plants, bathing water, fish tank water, drinking water, mineral- and table water)

1.1 Cultural microbiological analysis of bacteria in water*

ISO 9308-1/-(A 1) 2016-12	Water quality - Enumeration of <i>Escherichia coli</i> and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background flora (Limitation: <i>except surface water and shallow well waters</i>)
ISO 11731 2017-05	Water quality - Enumeration of <i>Legionella</i>
EN ISO 16266 2006-04	Water quality - Detection and enumeration of <i>Pseudomonas aeruginosa</i> - Method by membrane filtration
AS/NZS 3896 2017	Waters - Examination for <i>Legionella</i> spp. including <i>Legionella pneumophila</i>
APHA 22 nd Edition Chapter 9222 B. Page 9-78 to 9-83 2012	Standard Methods for The Examination of Water and Wastewater - Microbiological Examination - Membrane Filter Technique for Members of Coliform Group - Standard Total Coliform Membrane Filter Procedure
APHA 22 nd Edition Chapter 9260 H. Page 9-160 to 9-166 2012	Standard Methods for The Examination of Water and Wastewater - Microbiological Examination – Detection of Pathogenic Bacteria - <i>Vibrio</i> (Limitation: <i>for drinking water as well mineral- and table water only Vibrio cholera</i>)

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APHA 22 nd Edition Chapter 9215 B. Page 9-52 to 9-54 2012	Standard Methods for Examination of Water and Wastewater - Microbiological Examination - Heterotrophic Plate Count - Pour Plate Method
APHA 22 nd Edition Chapter 9215 D. Page 9-56 2012	Standard Methods for Examination of Water and Wastewater - Microbiological Examination - Heterotrophic Plate Count - Membrane Filter Method
APHA 22 nd Edition Chapter 9222 D. Page 9-85 to 9-87 2012	Standard Methods for The Examination of Water and Wastewater - Microbiological Examination - Membrane Filter Technique for Members of Coliform Group - Thermotolerant (Fecal) Coliform Membrane Filter Procedure
APHA 22 nd Edition Chapter 9222 G. Page 9-89 to 9-90 2012	Standard Methods for The Examination of Water and Wastewater - Microbiological Examination - Membrane Filter Technique for Members of Coliform Group - MF Partition Procedures

1.2 Determination of PH in water (surface water, waste water, process water, water from cooling plants, bathing water, fish tank water, drinking water, mineral- and table water)

BS EN ISO 10523 2012-04	Water quality - Determination of pH
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Abbreviations used:

APHA	American Public Health Association
AS/NZS	Australian/New Zealand Standard
BS	British Standard
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization