

Schedule

Ugene Laboratory Services Pte Ltd
21 Woodlands Industrial Park E1
#04-06 to 10, #03-08
Singapore 757720

Certificate No. : LA-1998-0146-A
Issue No. : 25
Date : 28 March 2023
Expiry of Certificate : 26 October 2025
Page : 1 of 7

FIELD OF TESTING : Chemical and Biological Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A. Food and Related Products	<u>Microbiology – Conventional Methods</u>	
	1. Aerobic Plate Count	FDA / BAM January 2001, Chapter 3 (Manual & Robotic) ISO 4833-1:2013(E)
	2. Bacillus cereus	FDA / BAM October 2020 Chapter 14 ISO 7932: 2004
	3. Coliforms	FDA / BAM October 2020, Chapter 4 (Manual & Robotic) ISO 4832: 2006 (E)
	4. Escherichia coli	FDA / BAM October 2020, Chapter 4 (Manual & Robotic) ISO 16649-2: 2001 Ugene Lab MM 8-6 (Rev A)
	5. Faecal coliform	FDA / BAM October 2020, Chapter 4 (Manual & Robotic) ISO 4832: 2006 (E)
6. Yeasts and Moulds	FDA / BAM January 2001, Chapter 18	

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 2 of 7

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
		ISO 21527-1: 2008
		ISO 21527-2: 2008
		ISO 6611: 2004 (Only for Milk and Milk Products)
	7. Staphylococcus aureus	FDA / BAM March 2016, Chapter 12 (Manual & Robotic)
		ISO 6888-1: 2021
	8. Salmonella	FDA / BAM November 2022, Chapter 5
		ISO 6579-1: 2017
	9. Culturing and Identification of Listeria Spp. <ul style="list-style-type: none">• L.welshimerii• L. ivanovii• L. seeligeri• L. grayi• L. monocytogenes	Ugene Lab MM 2-5: Rev. D
	10. Culturing and Identification of Listeria Spp.	FDA / BAM April 2022, Chapter 10
	11. Detection of Listeria Spp.	ISO 11290-1: 2017
	12. Shigella	Compendium of Methods for the Microbiological Examination of Foods 4th Edition Chapter 37
	13. Vibrio cholera Vibrio parahaemolyticus Vibrio fluvialis Vibrio vulnificus	FDA / BAM May 2004, Chapter 9
	14. Enterobacteriaceae	Compendium of Methods for the Microbiological Examination of Foods 5 th Edition Chapter 9
		ISO 21528-2: 2017

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 3 of 7

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
	15. Clostridium perfringens	ISO 7937:2004
	16. Salmonella Enteriditis (serotyping)	Ugene Lab MM 8-2, Rev. A
	17. Vibrio parahaemolyticus Count	Ugene Lab MM 8-3, Rev. A
	18. Group B Streptococcus	Ugene Lab MM 8-4, Rev. B
	19. Listeria monocytogenes Count	Ugene Lab MM 2-5a: Rev. B
	20. Mesophilic and Thermophilic Aerobic Spore-Forming Bacilli	Compendium of Methods for the Microbiological Examination of Foods 5th Edition Chapters 23.512 and 26.5
	<u>Microbiology – Rapid Methods</u>	
	1. Aerobic Plate Count	Nissui Compact Dry TC
	2. Bacillus cereus	Ugene Lab MM 8-6 (Rev A B)
	3. Coliforms	Nissui Compact Dry CF AOAC PT 110401
	4. Escherichia coli	Nissui Compact Dry EC AOAC PT 110402 Ugene Lab MM 8-6 (Rev A B)
	5. Yeasts and Moulds	3M Petrifilm Rapid Yeast & Mould AOAC 2014.05
	6. Staphylococcus aureus	Nissui Compact Dry X-SA AOAC PT 081001 Ugene Lab MM 8-6 (Rev A B)

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 4 of 7

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
	7. Detection of Salmonella	Solus ELISA AOAC PT 051601 Solus One EIA AOAC PT 101801 AOAC First Action Official Methods SM (No. 2021.02) AOAC PT 120802
	8. Detection of Listeria Spp.	Solus ELISA AOAC PT 041601
	9. Enterobacteriaceae	Ugene Lab MM 8-6 (Rev A B)
	10. Clostridium perfringens	Ugene Lab MM 8-6 (Rev A B)
	11. E. coli O157:H7 (confirmation of positive results)	AOAC 2000.14 (2008)
B Poultry Samples	1. Salmonella Enteritidis	Ugene Lab MM 8-1 & 8-2, Rev. A
C. Chinese Medicine and Related Products	1. Total Aerobic Microbial Count	} USP-NF 2022, Issue 1 <61>
	2. Total combined molds & yeast count	
	3. Staphylococcus Aureus	} USP-NF 2022, Issue 1 <62>
	4. Salmonella species	
	5. Pseudomonas aeruginosa	
	6. E. Coli	
D. Environmental Surface Swabs	1. Sampling	ISO 18593:2004(E)
	2. Aerobic Plate Count	ISO 18593:2004(E)
	3. Salmonella	Solus ELISA AOAC PT 051601 Solus One EIA AOAC PT 101801

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 5 of 7

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
E. Air Monitoring (Settling Plate Method)	4. Listeria monocytogenes	FDA / BAM November 2022, Chapter 5 ISO 18593:2004(E) & Ugene Lab MM 2-5, Rev. D
	5. Salmonella Enteriditis	FDA / BAM April 2022, Chapter 10 Ugene Lab MM 8-1 & 8-2, Rev. A
	6. Coliforms, Faecal Coliforms and Escherichia coli	ISO 18593:2004(E) & FDA-BAM July 2017, Chapter 4
	7. Staphylococcus aureus	ISO 18593:2004(E) & FDA-BAM March 2016, Chapter 12
	8. Yeasts and Moulds Count	ISO 18593:2004(E) & FDA-BAM Jan 2001, Chapter 18
	9. Enterobacteriaceae	ISO 18593:2004 (E) & Compendium of Methods for the Microbiological Examination of Foods 5th Edition Chapter 9
	1. Aerobic Plate Count	Compendium of Methods for the Microbiological Examination of Foods 5th Edition Chapter 3 Section 3.101
	2. Yeasts and Moulds	Compendium of Methods for the Microbiological Examination of Foods 5th Edition Chapter 3 Section 3.101
	F. Cosmetics	1. Aerobic Plate Count
2. Yeasts and Mould Count		
3. Pseudomonas aeruginosa		
4. Staphylococcus aureus		
5. Escherichia coli		
6. Candida Albicans		
G. General	1. Microorganism Identification Using MalDI-TOF	AOAC 2017.09 (2020) AOAC 2017.10 (2020)

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 6 of 7

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
H. Oysters, Food and Related Products	<u>Virology</u>	
	1. Norovirus G1, G2	Ugene Lab MM 10-4, Rev. C Ugene Lab MM 10-5, Rev. B Ugene Lab MM 10-6, Rev. A
I. Food and Related Products <ul style="list-style-type: none">• Porridge Oats, Canned Meat Meal• Dried Milk• Sugar• Soft Drink• Wheat Flour• Beverages	<u>Chemistry</u>	
	1. Water Activity	ISO 18787:2017
	2. Protein	Ugene Lab MM9-2, Rev A
	3. Fat	AOAC 932.06
	4. Moisture	AOAC 925.45B
	5. Heavy Metals by ICP-OES (As, Pb, Cu, Cd)	Ugene Lab MM9-4, Rev C
	6. Mercury by Mercury Analyzer	Ugene Lab MM9-3, Rev E
7. Total Sugars	Ugene Lab MM9-7 Rev C	
J. Chinese Proprietary Medicine and Health Supplements	1. Mercury by Mercury Analyzer	Ugene Lab MM9-3, Rev E
	2. Heavy Metals by ICP-OES (As, Pb, Cu, Cd)	Ugene Lab MM9-4, Rev C

Schedule



Certificate No. : LA-1998-0146-A

Issue No. : 25

Date : 28 March 2023

Page : 7 of 7

Approved Signatory

Ms Eunice Ng Wee Suan - For all accredited tests
Mr Roy Weng - For all microbiology and virology tests

Note:

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.