



**Recognition Schedule**  
*Laboratory Recognition Programme*

Laboratory Name: Ugene Laboratory Services Pte Ltd  
Address: 21 Woodlands Industrial Park E1, #04-08  
Singapore 757720

Certificate No.: LRP-2020-009/ULS  
Date of Issue: 01 April 2023  
Issue No.: 06

| S/N | Food Category           | Area                       | Test Parameter                                     | Standard Reference Method/ In-house Method No./ Equipment/ Technique  |
|-----|-------------------------|----------------------------|--|---|
| 1   | Milk and Dairy Products | Microbiological Indicators | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 2   |                         |                            | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 3   |                         |                            | Enterobacteriaceae Count                           | CMMEF 5th Edition, Chapter 9  |
| 4   |                         |                            | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 5   |                         |                            | Mould Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 6611: 2004                                      |
| 6   |                         |                            | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)  |

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|-----|---------------|-------------------------------|--|--|
|     |               |                               |  | Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013  |
| 7   |               |                               | Yeast Count                                    | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 6611: 2004                                     |
| 8   |               | Pathogens, Parasites & Toxins | Bacillus cereus Count                          | FDA / BAM Online October 2020 Chapter 14<br>ISO 7932: 2004<br>Ugene Lab MM 8-6   |
| 9   |               |                               | Clostridium perfringens                        | ISO 7937:2004<br>Ugene La MM 8-6   |
| 10  |               |                               | Coagulase Positive Staphylococcus aureus Count | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6     |
| 11  |               |                               | E. coli O157: H7                               | AOAC 2000.14 (2008)  |
| 12  |               |                               | Listeria monocytogenes                         | Ugene Lab MM 2-5: Rev. D<br>FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017                           |
| 13  |               |                               | Salmonella spp.                                | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 14  |               |                               | Shigella spp.                                  | CMMEF 4th Edition, Chapter 37  |

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|-----|-----------------|--|--|---|
| 15  |                 |  | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9  |
| 16  | Fats and Oil    | Microbiological Indicators   | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 17  |                 |  | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 18  |                 |  | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 19  |                 |  | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 20  |                 |  | Pathogens, Parasites & Toxins                      | Coagulase Positive Staphylococcus aureus Count  |
| 21  | Salmonella spp. | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |  |   |

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|-----|---------------------------|-------------------------------|--|---|
| 22  | Nuts and Related Products | Microbiological Indicators    | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 23  |                           |                               | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 24  |                           |                               | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 25  |                           |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 26  |                           | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 27  |                           |                               | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 28  |                           |                               | Shigella spp.                                      | CMMEF 4th Edition, Chapter 37   |
| 29  |                           |                               | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9  |

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|-----|-----------------------------|-------------------------------|---|---|
| 30  | Fruits and Vegetables       | Microbiological Indicators    | Coliform Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 31  |                             |                               | E. coli Count   | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 32  |                             |                               | Faecal Coliform Count                                 | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 33  |                             |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C    | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 34  |                             | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count        | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 35  |                             |                               | E. coli O157: H7                                      | AOAC 2000.14 (2008)   |
| 36  |                             |                               | Listeria monocytogenes                                | FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017  |
| 37  | Norovirus (Genotype I & II) |                               | Ugene Lab MM10-4 Rev C, MM10-5 Rev B and MM10-6 Rev A |   |

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|-----|--|---|-------------------------------|--|
| 38  |  |   | Salmonella spp.               | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 39  |  |   | Shigella spp.                 | CMMEF 4th Edition, Chapter 37  |
| 40  |  |   | Vibrio cholerae               | FDA / BAM Online May 2004, Chapter 9   |
| 41  |  |   | Vibrio fluvialis              | FDA / BAM Online May 2004, Chapter 9   |
| 42  |  |   | Vibrio parahaemolyticus Count | Ugene Lab MM 8-3, Rev. A   |
| 43  |  |   | Vibrio vulnificus             | FDA / BAM Online May 2004, Chapter 9   |
| 44  |  |   | Cocoa Products                | Microbiological Indicators   |
| 45  | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |                               |  |
| 46  | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |                               |  |
| 47  | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |                               |  |

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|-----|--|---|--|--|
| 48  |  | Pathogens, Parasites & Toxins   | Coagulase Positive Staphylococcus aureus Count | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6     |
| 49  |  |   | Salmonella spp.                                | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 50  |  |   | Shigella spp.                                  | CMMEF 4th Edition, Chapter 37  |
| 51  |  |   | Vibrio cholerae                                | FDA / BAM Online May 2004, Chapter 9   |
| 52  |  |   | Meat and Meat Products                         | Microbiological Indicators   |
| 53  | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |  |  |
| 54  | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |  |  |
| 55  | Pathogens, Parasites & Toxins                      | Clostridium perfringens   |  |  |

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| 56  |                           |                            | Coagulase Positive Staphylococcus aureus Count | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 57  |                           |                            | E. coli O157: H7                               | AOAC 2000.14 (2008)   |
| 58  |                           |                            | Listeria monocytogenes                         | Ugene Lab MM 2-5: Rev. D<br>FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017                            |
| 59  |                           |                            | Salmonella spp.                                | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 60  |                           |                            | Shigella spp.                                  | CMMEF 4th Edition, Chapter 37   |
| 61  |                           |                            | Vibrio cholerae                                | FDA / BAM Online May 2004, Chapter 9  |
| 62  | Fish and Seafood Products | Microbiological Indicators | Coliform Count                                 | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 63  |                           |                            | E. coli Count                                  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |



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|-----|---------------|-------------------------------|--|--|
| 64  |               |                               | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006   |
| 65  |               |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                          |
| 66  |               | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6     |
| 67  |               |                               | Listeria monocytogenes                             | Ugene Lab MM 2-5: Rev. D<br>FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017                           |
| 68  |               |                               | Norovirus (Genotype I & II)                        | Ugene Lab MM10-4 Rev C, MM10-5 Rev B and MM10-6 Rev A  |
| 69  |               |                               | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 70  |               |                               | Shigella spp.                                      | CMMEF 4th Edition, Chapter 37  |
| 71  |               |                               | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9   |
| 72  |               |                               | Vibrio fluvialis                                   | FDA / BAM Online May 2004, Chapter 9   |
| 73  |               |                               | Vibrio parahaemolyticus Count                      | Ugene Lab MM 8-3, Rev. A   |

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| 74  |                            |                               | Vibrio vulnificus  | FDA / BAM Online May 2004, Chapter 9  |
| 75  | Egg and Egg Based Products | Microbiological Indicators    | Coliform Count   | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 76  |                            |                               | E. coli Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 77  |                            |                               | Faecal Coliform Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 78  |                            |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C   | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 79  |                            | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count   | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 80  | Listeria monocytogenes     |                               | Ugene Lab MM 2-5: Rev. D<br>FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017 |   |
| 81  | Salmonella Enteritidis     |                               | Ugene Lab MM 8-2, Rev A  |   |

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| 82  |  |   | Salmonella spp.                   | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 83  |  |   | Serotyping Salmonella Enteritidis | Ugene Lab MM 8-2, Rev A  |
| 84  |  |   | Shigella spp.                     | CMMEF 4th Edition, Chapter 37  |
| 85  |  |   | Vibrio cholerae                   | FDA / BAM Online May 2004, Chapter 9   |
| 86  |  |   | Sweeteners                        | Microbiological Indicators   |
| 87  | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |                                   |  |
| 88  | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |                                   |  |
| 89  | Mould Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |                                   |  |
| 90  | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |                                   |  |

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| 91  |                                       | Pathogens, Parasites & Toxins | Yeast Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |
| 92  |                                       |                               | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 93  |                                       |                               | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 94  | Flour, Improvers and Related Products | Microbiological Indicators    | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 95  |                                       |                               | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 96  |                                       |                               | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 97  |                                       |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)  |

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|     |                      |                               |  | Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013   |
| 98  |                      | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 99  | Grain Based Products | Microbiological Indicators    | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 100 |                      |                               | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 101 |                      |                               | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 102 |                      |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 103 |                      |                               | Pathogens, Parasites & Toxins                      | Coagulase Positive Staphylococcus aureus Count  |

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|     |                                   |                            |  | ISO 6888-1: 2021<br>Ugene Lab MM 8-6  |
| 104 |                                   |                            | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 105 |                                   |                            | Shigella spp.                                      | CMMEF 4th Edition, Chapter 37   |
| 106 |                                   |                            | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9  |
| 107 | Confectionery and Bakery Products | Microbiological Indicators | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 108 |                                   |                            | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 109 |                                   |                            | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 110 |                                   |                            | Mould Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |
| 111 |                                   |                            | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)  |

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|     |   |                               |  | Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013   |
| 112 |   |                               | Yeast Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |
| 113 |   | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count   | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 114 | Salmonella spp.                                       |                               | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |   |
| 115 | Shigella spp.   |                               | CMMEF 4th Edition, Chapter 37  |   |
| 116 | Vibrio cholerae                                       |                               | FDA / BAM Online May 2004, Chapter 9   |   |
| 117 | Sauces, Seasonings, Soup, Spices and Related Products | Microbiological Indicators    | Coliform Count   | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 118 |   |                               | E. coli Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |

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| S/N | Food Category                                  | Area                          | Test Parameter   | Standard Reference Method/ In-house Method No./ Equipment/ Technique   |
|-----|--|-------------------------------|--|--|
| 119 |  |                               | Faecal Coliform Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006   |
| 120 |  |                               | Mould Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008 |
| 121 |  |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C   | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013            |
| 122 |  |                               | Vibrio parahaemolyticus  | FDA / BAM Online May 2004, Chapter 9<br>Ugene Lab MM 8-3, Rev. A   |
| 123 |  |                               | Yeast Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008 |
| 124 |  | Pathogens, Parasites & Toxins | Bacillus cereus Count  | FDA / BAM Online October 2020 Chapter 14<br>ISO 7932: 2004<br>Ugene Lab MM 8-6   |
| 125 | Coagulase Positive Staphylococcus aureus Count |                               | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6 |  |
| 126 | Listeria monocytogenes                         |                               | Ugene Lab MM 2-5: Rev. D<br>FDA / BAM Online April 2022, Chapter 10  |  |
|     |  |                               |  |  |



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| S/N | Food Category    | Area                          | Test Parameter                                     | Standard Reference Method/ In-house Method No./ Equipment/ Technique  |
|-----|------------------|-------------------------------|--|---|
|     |                  |                               |  | Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017   |
| 127 |                  |                               | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 128 |                  |                               | Shigella spp.                                      | CMMEF 4th Edition, Chapter 37   |
| 129 |                  |                               | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9  |
| 130 | Food Supplements | Microbiological Indicators    | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 131 |                  |                               | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 132 |                  |                               | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 133 |                  |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 134 |                  | Pathogens, Parasites & Toxins | Bacillus cereus Count                              | FDA / BAM Online October 2020 Chapter 14<br>ISO 7932: 2004<br>Ugene Lab MM 8-6  |

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| S/N | Food Category | Area                       | Test Parameter                                     | Standard Reference Method/ In-house Method No./ Equipment/ Technique  |
|-----|---------------|----------------------------|--|---|
| 135 |               |                            | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 136 |               |                            | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 137 |               |                            | Shigella spp.                                      | CMMEF 4th Edition, Chapter 37   |
| 138 |               |                            | Vibrio cholerae                                    | FDA / BAM Online May 2004, Chapter 9  |
| 139 | Bottled Water | Microbiological Indicators | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 140 |               |                            | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 141 |               |                            | Faecal Coliform Count                              | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |
| 142 |               |                            | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |

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|-----|-----------------------|---|--|--|
| 143 |                       | Pathogens, Parasites & Toxins   | Coagulase Positive Staphylococcus aureus Count | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6     |
| 144 |                       |   | Salmonella spp.                                | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |
| 145 |                       |   | Shigella spp.                                  | CMMEF 4th Edition, Chapter 37  |
| 146 |                       |   | Vibrio cholerae                                | FDA / BAM Online May 2004, Chapter 9   |
| 147 |                       |   | Tea  | Microbiological Indicators   |
| 148 | E. coli Count         | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |  |  |
| 149 | Faecal Coliform Count | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006  |  |  |
| 150 | Mould Count           | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |  |  |

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| S/N | Food Category | Area                          | Test Parameter                                     | Standard Reference Method/ In-house Method No./ Equipment/ Technique  |
|-----|---------------|-------------------------------|--|---|
| 151 |               |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013                           |
| 152 |               |                               | Yeast Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008                |
| 153 |               | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count     | FDA / BAM Online March 2016, Chapter 12 (Manual & Robotic)<br>Nissui Compact Dry X-SA AOAC PT 081001<br>ISO 6888-1: 2021<br>Ugene Lab MM 8-6      |
| 154 |               |                               | Salmonella spp.                                    | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM  |
| 155 | Beverages     | Microbiological Indicators    | Coliform Count                                     | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry CF AOAC PT 110401<br>ISO 4832:2006                              |
| 156 |               |                               | E. coli Count                                      | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |

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| S/N | Food Category          | Area                          | Test Parameter   | Standard Reference Method/ In-house Method No./ Equipment/ Technique   |
|-----|------------------------|-------------------------------|--|--|
| 157 |                        |                               | Faecal Coliform Count  | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>ISO 4832:2006   |
| 158 |                        |                               | Mould Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008 |
| 159 |                        |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C   | FDA / BAM Online January 2001, Chapter 3 (Manual or Robotic)<br>Nissui Compact Dry TC AOAC PT 010404<br>ISO 4833-1:2013            |
| 160 |                        |                               | Yeast Count  | FDA / BAM Online January 2001, Chapter 18<br>3M Petrifilm Rapid Yeast & Mould AOAC 2014.05<br>ISO 21527-1: 2008, ISO 21527-2: 2008 |
| 161 |                        | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus Count   | ISO 6888-1: 2021<br>Ugene Lab MM8-6  |
| 162 | Listeria monocytogenes |                               | FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017   |  |
| 163 | Salmonella spp.        |                               | FDA / BAM Online November 2022, Chapter 5<br>Solus ELISA AOAC PT 051601<br>Solus One EIA AOAC PT 101801<br>AOAC First Action Official Methods SM |  |
| 164 | Shigella spp.          |                               | CMMEF 4th Edition, Chapter 37  |  |
| 165 | Vibrio cholerae        |                               | FDA / BAM Online May 2004, Chapter 9   |  |

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|-----|---|-------------------------------|---|---|
| 166 | Swabs from Poultry and Farm Environment | Pathogens, Parasites & Toxins | Salmonella Enteritidis                                | Ugene Lab MM 8-1 & 8-2, Rev. A  |
| 167 |   |                               | Salmonella spp.                                       | Ugene Lab MM8-1, Rev. A   |
| 168 | RTE                                     | Microbiological Indicators    | E. coli Count   | FDA / BAM Online October 2020, Chapter 4 (Manual & Robotic)<br>Nissui Compact Dry EC AOAC PT 110402<br>ISO 16649-2:2001<br>Ugene Lab MM 8-6 Rev A |
| 169 |   |                               | Total Colony Count / Aerobic Plate Count @ 30/35°C    | ISO 4833-1:2013   |
| 170 |   | Pathogens, Parasites & Toxins | Coagulase Positive Staphylococcus aureus count        | ISO 6888-1: 2021<br>Ugene Lab MM8-6   |
| 171 |   |                               | Escherichia coli O157:H7 (with serotype confirmation) | AOAC 2000.14 (2008)   |
| 172 |   |                               | Listeria monocytogenes                                | FDA / BAM Online April 2022, Chapter 10<br>Solus ELISA AOAC PT 041601<br>ISO 11290-1: 2017  |
| 173 |   |                               | Norovirus (Genotype I & II)                           | Ugene Lab MM10-4 Rev C, MM10-5 Rev B and MM10-6 Rev A   |
| 174 |   |                               | Salmonella spp.                                       | FDA / BAM Online November 2022, Chapter 5<br>AOAC First Action Official Methods SM  |
| 175 |   |                               | Vibrio cholerae                                       | FDA / BAM Online May 2004, Chapter 9  |
| 176 |   |                               | Vibrio fluvialis                                      | FDA / BAM Online May 2004, Chapter 9  |
| 177 |   |                               | Vibrio parahaemolyticus Count                         | Ugene Lab MM 8-3, Rev. A  |
| 178 |   |                               | Vibrio vulnificus                                     | FDA / BAM Online May 2004, Chapter 9  |