

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



Valid from 11 September 2022
to 10 September 2026
Issued on 17 May 2023



ISO/ IEC 17025
TL 004-02

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 004-02

**Microbiology Laboratory,
Industrial Technology Institute
No.120 /4A,
Vidya Mawatha,
Colombo 07.**

Scope of Accreditation: Performing Chemical Testing on Products Categories of Food and agricultural Products, Water and waste water and cosmetics and Pharmaceutical Products as per the Test Methods appearing in this Schedule.

The Laboratory is accredited for the following tests appear on page 02 to 06 to page 06 of 06;

| SI No | Product(s) / Material of test | Specific tests performed | Test Method / Standard against which tests are performed (e.g.: xxx: 2016) | Range of testing/ Limits of detection |
|-------|---|---|--|---------------------------------------|
| 01 | Fish/Seafood | Aerobic Plate Counts 30 °C, CFU per g | SLS 516 part 1/Section1:2013 ISO 4833-1:2013 | 10-10 ⁶ |
| | | Total Coliform Counts (MPN)/g | SLS 516 part 3/Section1:2013 ISO 4831:2006 | 0-110 |
| | | Feacal Coliform Coun (MPN)/g | SLS 516 part 12:2013 ISO 7251:2005 | 0-110 |
| | | E. coli, (MPN)/g | SLS 516 part 12:2013 ISO 7251:2005 | 0-110 |
| | | Salmonella, per 25g | SLS 516 part 05:2017 ISO 6579-1:2017 | Present/Absent |
| | | Staphylococcus aureus CFU per g | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | 10-10 ⁶ |
| | | Vibrio cholerae per 25 g Vibrio parahaemolyticus, per 25 g | SLS 516 part 07: Section 1:2017 ISO/TS21872-1:2017 | Present/Absent |
| 02 | Canned food | Commercial sterility | SLS 516: part 10-1983 | Sterile/ Non sterile |
| 03 | Food | Clostridium perfringens, CFU per g | SLS 516: part 09:2013 | 10-10 ⁶ |
| 04 | Spices | Enterobacteriaceae, CFU per g/mL | ISO 21528- 2:2017 | 10 -10 ⁷ |
| 05 | Green and Black Tea (Dry/ Flavored)/ Green and Black Tea (Liquid) | Aerobic Plate Count at 30 °C CFU per g/mL | SLS 516 part 1/Section1:2013 ISO 4833 - 1:2013 | 10-10 ⁶ /1-10 ⁶ |
| | | Coliforms (MPN) per g/mL | SLS 516 part 3/Section1:2013 ISO 4831:2006 | 0-110 |
| | | E. coli, (MPN) per g/mL | SLS 516 part 12:2013 ISO 7251:2005 | 0-110 |
| | | Enterobacteriaceae, CFU Per g/mL | ISO 21528- 2:2017 | 10-10 ⁶ /1-10 ⁶ |
| | | Yeast & Mould Counts CFU per g/mL | SLS 516 Part 2/Section 2:2013 ISO 21527- 2:2008 SLS 516 Part 2/Section1:2013 ISO 21527-1:2008 | 10-10 ⁶ /1-10 ⁶ |
| 06 | Wheat and Wheat Based products/ Cereals /Biscuits | Aerobic Plate Counts, CFU per g | SLS 516/1 Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ |
| | | Yeast and Mold Counts, CFU per g | SLS 516/2 Sec1:2013 ISO 21527-1:2008 SLS 516/2 Sec 2:2013 ISO 21527-2:2008 | 10-10 ⁶ |
| | | Coliforms (MPN) per g | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | 0-110 |
| | | E.coli (MPN) per g | SLS 516/12:2013 ISO 7251:2005 | 0-110 |
| | | Salmonella per 25 g | SLS516/5:2017 ISO 6579-1:2017 | Absent/Present |
| | | Staphylococcus aureus, CFU per g | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | 10-10 ⁶ |

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|-------|--|---|--|---|---------------------------------------|
| 07 | Yoghurt Drinking Yoghurt | E. coli (MPN) per g/mL | SLS 824:2 :2018 | SLS 516 part 12:2013 ISO 7251:2005 | 0-110 |
| | | Yeasts, CFU per g,/mL Moulds, CFU per g/mL | | SLS 516 Part 2 /Section1:2013 ISO 21527- 1 :2008 | 10-10 ⁶ |
| | | Listeria monocytogens, CFU per g/ mL | | SLS 516:part 15-2013 | 10-10 ⁶ |
| | | Coliforms, MPN per g/ mL | | SLS 516:part 3-2013 | 0-110 |
| | | Staphylococcus aureus, CFU per g/ mL | | SLS 516 part 06/ Section 1:2022 ISO 6888-1:2021 | 10-10 ⁶ |
| | | Salmonella, per 25 g/mL | | SLS 516: Part 5-2017 | Absent/present |
| 08 | Desiccated Coconut Creamed Coconut Coconut Paste | Aerobic Plate Counts CFU per g | SLS 516/1 Sec1:2013 ISO 4833-1:2013 | | 10-10 ⁶ |
| | | Yeast and Mould Counts CFUper g | SLS 516 Part 2/Section1:2013 ISO 21527- 1 :2008 SLS 516 Part 2/Section2:2013 ISO 21527-2:2008 | | 10-10 ⁶ |
| | | Coliforms (MPN) per g | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | | 0-110 |
| | | E.coli (MPN) per g | SLS 516/12:2013 ISO 7251:2005 | | 0-110 |
| | | Salmonella per 25 g | SLS 516/5:2017 ISO 6579-1:2017 | | Absent/Present |
| | | Staphylococcus aureus CFU per g | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | | 10-10 ⁶ |
| 09 | Poultry Meat/ Comminuted Meat Products | Aerobic Plate Counts CFU per g | SLS 516/1Sec1:2013 ISO 4833-1:2013 | | 10-10 ⁶ |
| | | Yeast and Mold Counts CFU per g | SLS 516/2 Sec1:2013 ISO 21527-1:2008 | | 10-10 ⁶ |
| | | Coliforms (MPN) per g | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | | 0-110 |
| | | E.coli (MPN) per g | SLS516/12:2013 ISO7251:2005 | | 0-110 |
| | | Salmonella, per 25 g | SLS516/5:2017 ISO6579-1:2017 | | Absent/Present |
| | | Staphylococcus aureus CFU per g | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | | 10-10 ⁶ |

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|-------|--|--|---|--|--------------------|
| 10 | Ice Cream | Aerobic Plate Count, CFU per g | SLS 223:2017 | SLS 516/1Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ |
| | | Coliforms (MPN) per g | | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | 0-110 |
| | | E.coli (MPN) per g | | SLS 516/12:2013 ISO 7251:2005 | 0-110 |
| | | Salmonella per 25 g | | SLS 516/5:2017 ISO 6579-1:2017 | Absent/Present |
| | | Listeria monocytogens , CFU per g | | SLS 516: part 15-2017 | 10-10 ⁶ |
| 11 | Milk Powder, Raw and Processed Milk | Aerobic Plate Counts CFU per g/mL | SLS 516/1Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ | |
| | | Coliforms (MPN) per g/mL | SLS 516/3Sec 1 :2013 ISO 4831:2006 | 0-110 | |
| | | E.coli (MPN) per g/mL | SLS 516/12:2013 ISO 7251:2005 | 0-110 | |
| | | Salmonella per 25 g/mL | SLS 516/5:2017 ISO 6579-1:2017 | Absent/Present | |
| | | Staphylococcus aureus CFU per g/mL | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | 10-10 ⁶ | |
| | | Yeast and Mould Counts CFU per g/mL | SLS 516/2 Sec1:2013 ISO 21527-1:2008 SLS 516/2 Sec 2:2013 ISO 21527-2:2008 | 10-10 ⁶ | |
| 12 | Non-Carbonated Artificial/ Flavored Cordials and Beverages | Aerobic Plate Count CFU per mL | SLS 516/1Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ | |
| | | Yeast and Mould Counts CFU per ml | SLS516/2 Sec1:2013 ISO 21527-1:2008 | 10-10 ⁶ | |
| | | Coliforms (MPN) per mL | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | 0-110 | |
| 13 | Carbonated beverages | Aerobic Plate Counts, CFU per mL | SLS 516/1 Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ | |
| | | Yeast and Mould Counts, CFU per mL | SLS 516/2 Sec1:2013 ISO 21527-1:2008 | 10-10 ⁶ | |
| | | Coliforms (MPN) per mL | SLS 516/3 Sec 1 :2013 ISO 4831:2006 | 0-110 | |

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|-------|-------------------------------|--|--|---------------------------------------|
| 14 | Ready To Serve Drinks | Aerobic Plate Count CFU per mL | SLS516/1Sec1:2013 ISO 4833-1:2013 | 10-10 ⁶ |
| | | Yeast and Mould Counts CFU per m | SLS516/2 Sec1:2013 ISO 21527-1:2008 | 10-10 ⁶ |
| | | Coliforms (MPN) per mL | SLS516/1 Sec1:2013 ISO 4831:2006 | 10-10 ⁶ |
| 15 | Herbal Products (Edible) | Aerobic Plate Counts CFU per g/mL | SLS 516/1Sec1:2013 ISO4833-1:2013 | 10-10 ⁶ /1-10 ⁶ |
| | | Yeast and Mould Counts CFU per g/ml | SLS 516/2 Sec 2:2013 ISO 21527-2:2008 SLS 516/2 Sec1:2013 ISO21527-1:2008 | 10-10 ⁶ /1-10 ⁶ |
| | | Coliforms (MPN) per g/mL | SLS 516/3Sec 1 :2013 ISO4831:2006 | 0-110 |
| | | E.coli (MPN) per g/mL | SLS 516/12:2013 ISO7251:2005 | 0-110 |
| | | Salmonella per 25g/mL | SLS 516/5:2017 ISO6579-1:2017 | Absent/Present |
| | | Staphylococcus aureus CFU per g/mL | SLS 516 part 06/Section 1:2022 ISO 6888-1:2021 | 10-10 ⁶ /1-10 ⁶ |
| 16 | Water / Ice | Aerobic Plate Counts at 22°C, 30°C, and 36°C CFU per mL | SLS 1461 Part 2/Section 1:2014 ISO 6222:1999 | 1-10 ⁶ |
| | | Total Coliform Counts (MPN) per 100mL | SLS 614:2013 SLS1461Part 1/Section 3:2013 | 0-1800 |
| | | Fecal Coliforms (MPN) per 100mL | SLS614:2013 SLS1461Part 1/Section 3:2013 | 0-1800 |
| | | E. coli (MPN) per 100mL | SLS614:2013 SLS146 Part I/Section3:2013 | 0-1800 |
| | | Spores of Sulphite Reducing Clostridia (MPN per 100mL) | SLS 1461 Part 5/Section 1:2020 ISO 6461-1:1986 | 0-180 |
| | | Intestinal Enterococci (MF) (CFU per 100mL) | SLS 1461 Part 4/Section 1:2020 ISO7899-2:2000 | 0-10 ⁴ |

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|-------|---|--|--|---------------------------------------|
| 17 | Water | Sampling | SLS – 614 :2013 | - |
| 18 | Bottled Drinking Water | Aerobic Plate Counts at 37°C , CFU per mL | SLS 1461 Part 2/Section 1:2014 ISO 6222:1999 | 10-10 ⁶ |
| | | Total Coliform Counts (MPN) per 100mL | SLS 614:2013 SLS1461Part 1/Section3:2013 | 0-1800 |
| | | E. coli (MPN) per 100mL | SLS 614:2013 SLS1461Part1 /Section 3:2013 | 0-1800 |
| 19 | Swimming Pool Water | Standard Plate Counts at 30°C CFU per mL | IS 3328:1993 | 1-10 ⁶ |
| | | Coliform Counts (MPN) per 100 mL | | 0-110 |
| 20 | River Water Surface Water Waste water | Aerobic Plate Counts at 30°C CFU per mL | SLS 1461 Part 2/Section 1:2014 ISO 6222:1999 | 1-10 ⁶ |
| 21 | Cosmetics | Mesophilic Bacteria CFU per g or mL | SLS 1349:2018 ISO 21149:2006 (Pour Plate Technique) | 10-10 ⁶ |
| | | Pseudomonas aeruginosa Per 10g or 10 mL | SLS 1350:2016 ISO 22717:2015 | Present/Absent |
| | | Staphylococcus aureus Per 10g or 10 mL | SLS 1351:2016 ISO 22718:2015 | Present/Absent |
| | | E. coli per 10 g or 10 mL | SLS 1489:2016 ISO 21150:2015 | Absent/Present |
| | | Yeast and Mould Counts CFU per g or mL | ISO16212:2017 | 10-10 ⁶ |
| | | Candida albicans, per 10 g | SLS 1488:2016 ISO 18416:2015 | Absent/present |
| 22 | Toothpaste | Aerobic Plate Counts CFU per g | SLS 1349:2018 ISO 21149:2006 (Pour Plate Technique) | 10-10 ⁶ |
| | | E. coli, per 10 g | SLS275:2014 | Absent/Present |
| | | Salmonella, per 10 g | SLS275:2014 | Absent/Present |
| 23 | Hand Sanitizers | Microbiological efficiency (Percent reduction) | SLS 1657:2020 | 1-99.99% |
| | | | ASTM E2783 -11(2016) | |
| 24 | Health care products | Microbial cleanliness/Bioburden | SLS 1683:2020 | 1-10 ⁶ |
| | | | ISO 11737-1:2018 | |

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment