



Valid from 30 June 2025
To 29 June 2029
Issued on 30 June 2025

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



ISO/ IEC 17025
TL 004- 02

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 004-02

Microbiology Laboratory Industrial Technology Institute

No: 363, Bauddhaloka Mawatha, Colombo 07.

Scope of Accreditation: Performing Biological Testing on Food and Agricultural products, Water, Cosmetics, Essential oils, Drugs & Pharmaceuticals, Pollution & environment and other as per SLS ISO, AOAC, APHA and in-house Methods appearing in this schedule.

The laboratory is accredited for the following tests as per the Page 02 to Page 08 given below,

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
1	Fish/Seafood	Aerobic Plate Counts at 30 °C, CFU per g	SLS 516 Part1: 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
		<i>E. coli</i> , (MPN)/g	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25g	SLS 516 Part 05:2017 ISO 6579-1:2017	Present/Absent
		<i>Staphylococcus aureus</i> , CFU per g	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶
1	Fish / Seafood	<i>Vibrio cholerae</i> , per 25 g	SLS 516 Part 07: Section 1:2017 ISO/TS21872-1:2017	Present/Absent
		<i>Vibrio parahaemolyticus</i> , per 25 g	SLS 516 Part 07: Section 1:2017 ISO/TS21872-1:2017	Present/Absent
		<i>Listeria monocytogens</i> , CFU per g	SLS 516: Part 15: Section 02:2017	10-10 ⁶
		<i>Listeria monocytogens</i> , per 25 g	SLS 516: Part 15: Section 01:2017	Present/Absent
2	Poultry Meat/Comminuted Meat Products	Aerobic Plate Counts, CFU per g	SLS 516 Part1: Section1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mold Counts, CFU per g	SLS 516 Part 2 : Section1:2013, ISO 21527-1:2008	10-10 ⁶
		Coliforms, (MPN) per g	SLS 516 Part 3 : Section1:2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g	SLS 516 Part 12:2013 ISO7251:2005	0-110
		<i>Salmonella</i> , per 25 g	SLS 516 Part 5:2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> , CFU per g	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶
		<i>Listeria monocytogens</i> , CFU per g	SLS 516: Part 15 : Section 02:2017	10-10 ⁶
		<i>Listeria monocytogens</i> , per 25 g	SLS 516: Part 15 Section 01:2017	Present/Absent
3	Spices/ Condiments	Enterobacteriaceae, CFU per g/mL	ISO 21528- 2:2017	10 -10 ⁷
		Aerobic Plate Counts at 30 °C, CFU per g	SLS 516 Part 1: Section1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast & Mould Counts, CFU per g	SLS 516 Part 2: Section 2:2013 ISO 21527-2:2008	10-10 ⁶
		Total Coliform Counts, (MPN)/g	SLS 516 Part 3: Section1:2013 ISO 4831:2006	0-110
		<i>E. coli</i> , (MPN)/g	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25g	SLS 516 Part 05:2017 ISO 6579-1:2017	Present/Absent
		<i>Staphylococcus aureus</i> , CFU per g	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶

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4	Dried/fresh,Fruits and,vegetables	Aerobic Plate Counts 22 °C, CFU per g	SLS 516 Part 1: Section1:2013 ISO 4833-1:2013	10-10 ⁶
		Aerobic Plate Counts 30 °C, CFU per g	SLS 516 Part 1: Section1:2013 ISO 4833-1:2013	10-10 ⁶
		Aerobic Plate Counts 37 °C, CFU per g	SLS 516 Part 1: Section1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast & Mould Counts, CFU per g	SLS 516 Part 2 :Section1:2013 ISO 21527- 1:2008	10-10 ⁶
		Yeast & Mould Counts, CFU per g	SLS 516 Part 2 :Section 2:2013 ISO 21527-2:2008	10-10 ⁶
		Total Coliform Counts, (MPN)/g	SLS 516 Part 3: Section1:2013 ISO 4831:2006	0-110
		<i>E. coli</i> , (MPN)/g	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Staphylococcus aureus</i> , CFU per g	SLS 516 Part 06:Section 1:2022 ISO 6888-1:2021	10-10 ⁶
		<i>Salmonella</i> , per 25g	SLS 516 Part 05:2017 ISO 6579-1:2017	Present/Absent
		Enterobacteriaceae, CFU per g	ISO 21528- 2:2017	10 -10 ⁷
		<i>Listeria monocytogens</i> , CFU per g	SLS 516: Part 15-2017	10-10 ⁶
5	Canned food/Cans/Jars/ bottles/flexible pouches	Commercial sterility	SLS 516: Part 10-1983	Sterile/Non sterile
6	Food	<i>Clostridium perfringens</i> , CFU per g	SLS 516: Part 09:2013	10-10 ⁶
7	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
		<i>E. coli</i> , (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	10-10 ⁶ /1-10 ⁶
		Yeast & Mould Counts, CFU per g/mL	SLS 516 Part 2: Section1:2013 ISO 21527-1:2008	10-10 ⁶ /1-10 ⁶
		<i>Salmonella</i> , per 25 g/mL	SLS 516-5:2017	Absent/present
8	Herbal Products (Edible)	Aerobic Plate Counts, CFU per g/mL	SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶ /1-10 ⁶
		Yeast and Mould Counts, CFU per g/ml	SLS 516 Part 2: Section1:2013 ISO 21527-2:2008	10-10 ⁶ /1-10 ⁶
		Yeast and Mould Counts, CFU per g/ml	SLS 516 Part 2: Section1:2013 ISO 21527-1:2008	10-10 ⁶ /1-10 ⁶
		Coliforms, (MPN) per g/mL	SLS 516 Part 3: Section 1 :2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g/mL	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25g/mL	SLS 516 Part 5:2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> , CFU per g/mL	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶ /1-10 ⁶

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9	Wheat and Wheat Based products/ Cereals /Biscuits	Aerobic Plate Counts, CFU per g	SLS 516 Part 1 Sec1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mold Counts, CFU per g	SLS 516 Part 2 Sec1:2013 ISO 21527-1:2008	10-10 ⁶
		Yeast and Mold Counts, CFU per g	SLS 516 Part 2 Sec 2:2013 ISO 21527-2:2008	10-10 ⁶
		Coliforms, (MPN) per g	SLS 516 Part 3 Sec 1 :2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25 g	SLS 516 Part 5:2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> , CFU per g	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶
10	Desiccated Coconut /creamed coconut/coconut paste/ coconut milk	Aerobic Plate Counts, CFU per g/mL	SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mould Counts, CFU per g/mL	SLS 516 Part 2: Section 1:2013 ISO 21527- 1 :2008	10-10 ⁶
		Yeast and Mould Counts, CFU per g/mL	SLS 516 Part 2: Section 2:2013 ISO 21527-2:2008	10-10 ⁶
		Coliforms, (MPN) per g/mL	SLS 516 Part 3: Section 1 :2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g/mL	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25 g/mL	SLS 516 Part 5:2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> , CFU per g/mL	SLS 516 Part 06: Section 1:2022 ISO 6888-1:2021	10-10 ⁶
11	Coconut oil	Yeasts and Moulds, CFU per mL	SLS 516 Part 2 : Section 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 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mould Counts, CFU per ml	SLS 516 Part 2: Section 1:2013 ISO 21527-1:2008	10-10 ⁶
		Coliforms, (MPN) per mL	SLS 516 Part 3 Section 1 :2013 ISO 4831:2006	0-110
13	Ready To Serve Drinks	Aerobic Plate Count, CFU per mL	SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mould Counts, CFU per ml	SLS 516 Part 2: Section 1:2013 ISO 21527-1:2008	10-10 ⁶
		Coliforms, (MPN) per mL	SLS 516 Part 1: Section 1:2013 ISO 4831:2006	10-10 ⁶
14	Carbonated Beverages	Aerobic Plate Counts, CFU per mL	SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Yeast and Mould Counts, CFU per mL	SLS 516 Part 2: Section 1:2013 ISO 21527-1:2008	10-10 ⁶
		Coliforms, (MPN) per mL	SLS 516 Part 3: Section 1 :2013 ISO 4831:2006	0-110

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15	Milk Powder, Raw and Processed Milk	Aerobic Plate Counts, CFU per g/mL	SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Coliforms, (MPN) per g/mL	SLS 516 Part 3: Section 1:2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g/mL	SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25 g/mL	SLS 516 Part 5:2017, ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> , 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 1558-1:2017, ISO 6611:2004	10-10 ⁶
16	Ice Cream	Aerobic Plate Count, CFU per g	SLS 223:2017 SLS 516 Part 1: Section 1:2013 ISO 4833-1:2013	10-10 ⁶
		Coliforms, (MPN) per g	SLS 223:2017 SLS 516 Part 3: Section 1 :2013 ISO 4831:2006	0-110
		<i>E.coli</i> , (MPN) per g	SLS 223:2017 SLS 516 Part 12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> , per 25 g	SLS 223:2017 SLS 516 Part 5:2017 ISO 6579-1:2017	Absent/Present
		<i>Listeria monocytogens</i> , CFU per g	SLS 223:2017 SLS 516: Part 15-2017	10-10 ⁶
		<i>Staphylococcus aureus</i> , CFU per g	SLS 223:2017 SLS 516 Part 06 : Section 1:2022 ISO 6888-1:2021	10-10 ⁶
17	Yoghurt, Drinking Yoghurt	Coliforms, MPN per g/ mL	SLS 824:2 :2018 SLS 516: Part 3-2013	0-110
		<i>E. coli</i> , (MPN) per g/mL	SLS 824:2 :2018 SLS 516 Part 12:2013 ISO 7251:2005	0-110
		Yeasts, CFU per g/mL	SLS 824:2 :2018 SLS 516 Part 2: Section1:2013 ISO 21527- 1 :2008	10-10 ⁶
		Moulds, CFU per g/mL	SLS 824:2 :2018 SLS 516 Part 2: Section1:2013 ISO 21527- 1 :2008	10-10 ⁶
		<i>Listeria monocytogens</i> , CFU per g/ mL	SLS 824:2 :2018 SLS 516 Part 15-2013	10-10 ⁶
		<i>Staphylococcus aureus</i> , CFU per g/ mL	SLS 824:2 :2018 SLS 516 Part 06 : Section 1:2022 ISO 6888-1:2021	10-10 ⁶
		<i>Salmonella</i> , per 25 g/mL	SLS 824:2 :2018 SLS 516: Part 5-2017	Absent/present
		<i>Listeria monocytogens</i> , per 25 g	SLS 516: Part 15: Section 01:2017	Present/Absent

Sl No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
18	Water / Ice	Aerobic Plate Counts at 22°C, CFU per mL	SLS 1461 Part 2 Section 1:2014 ISO 6222:1999	1-10 ⁶
		Aerobic Plate Counts at 30°C CFU per mL	SLS 1461 Part 2 Section 1:2014 ISO 6222:2000	1-10 ⁶
		Aerobic Plate Counts at 36°C CFU per mL	SLS 1461 Part 2 Section 1:2014 ISO 6222:2001	1-10 ⁶
		Total Coliform Counts, (MPN) per 100mL	SLS 614:2013 SLS 1461 Part 1 Section 3:2013	0-1800
		<i>E. coli</i> , (MPN) per 100mL	SLS 614:2013, SLS146 Part 1 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, CFU per 100mL	SLS 1461 Part 4 Section 1:2020 ISO 7899-2:2000	0-10 ⁴
		<i>Pseudomonas aeruginosa</i> , Per 100 mL/250 mL	ISO 16266:2006	Absent/present
		<i>Pseudomonas aeruginosa</i> , Per 100 mL/250 mL	ISO 16266:2006	0-2000
19	Water	Sampling	SLS – 614 :2013 SLS 1462 Part 10:2013 ISO 19458:2006	N/A
20	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 SLS 1461 Part 1: Section3:2013	0-1800
		<i>E. coli</i> , (MPN) per 100mL	SLS 614:2013 SLS 1461 Part 1; Section 3:2013	0-1800
21	Swimming Pool Water	Standard Plate Counts at 30°C, CFU per mL	IS 3328:1993	1-10 ⁶
		Coliform Counts, MPN per 100 mL	IS 3328:1993	0-110
22	Water/Waste water	Total Coliform Count, MPN per 100mL	APHA 9221-B (24th Edition)	1.8-1.6 x10 ⁵
		Faecal Coliforms, MPN per 100mL	APHA 9221-E (24th Edition)	1.8-1.6 x10 ⁵
		<i>E.coli</i> , MPN per 100mL	APHA 9221-G (24th Edition)	1.8-1.6 x10 ⁵
23	Water/Waste water/River Water, Surface Water,	Heterotopic plate count, CFU per mL	APHA 9215-B (24th Edition)	10-10 ⁶
24	Cosmetics	Mesophilic Bacteria, CFU per g or mL	SLS 1349:2018 ISO 21149:2006 (Pour Plate Technique)	10-10 ⁶
		Yeast and Mould Counts, CFU per g or mL	ISO 16212:2017	10-10 ⁶
		<i>Pseudomonas aeruginosa</i> , Per 10g or 10 mL	SLS 1350:2016 ISO 22717:2015	Present/Absent
		<i>Staphylococcus aureus</i> , Per 10g or 10 mL	SLS 1351:2016, ISO 22718:2015	Present/Absent
		<i>E. coli</i> , per 10 g or 10 mL	SLS 1489:2016 ISO 21150:2015	Absent/Present
		<i>Candida albicans</i> , per 10 g	SLS 1488:2016 ISO 18416:2015	Absent/present

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
25	Pharmaceutical products	Total aerobic microbial count, CFU per mL/g	British Pharmacopeia, Volume V	10-10 ⁶
		Total combined yeast & mould count, CFU per mL/g	British Pharmacopeia, Volume V	10-10 ⁶
		<i>E.coli</i> , per 10 mL/10 g	British Pharmacopeia, Volume V	Absent/present
		<i>Salmonella</i> , per 10mL/ 10 g	British Pharmacopeia, Volume V	Absent/present
		<i>Pseudomonas aeruginosa</i> , Per 10 mL/ 10 g	British Pharmacopeia, Volume V	Absent/present
		<i>Staphylococcus aureus</i> , Per 10 mL/ 10 g	British Pharmacopeia, Volume V	Absent/present
		<i>Candida albicans</i> , Per 10 mL/ 10 g	British Pharmacopeia, Volume V	Absent/present
26	Toothpaste	Aerobic Plate Counts, CFU per g	SLS 1349:2018 ISO 21149:2006	10-10 ⁶
		<i>E. coli</i> , per 10 g	SLS 275:2014	Absent/Present
		<i>Salmonella</i> , per 10 g	SLS 275:2014	Absent/Present
27	Hand Sanitizers/ Disinfectant	Microbiological efficiency (Percent reduction)	SLS 1657:2020 ASTM E2783 -11(2016)	1-99.99%
28	Health care products	Microbial cleanliness/Bioburden	ISO 11737-1:2018 SLS 1683:2020 British Pharmacopeia Volume V Appendix XVI	10-10 ⁶
		Sterility, per unit	ISO 11737-2:2019 British Pharmacopeia Volume V Appendix XVI	Sterile/ Non sterile
29	Sanitary Napkins	Aerobic plate count, CFU per g	SLS 1732:2022 ISO 11737-1	10-10 ⁶
		Yeasts and Moulds, CFU Per g	SLS 1732:2022 ISO 11737-1	10-10 ⁶
		<i>Staphylococcus aureus</i> , Per Napkin	SLS 1732:2022 SLS 1351:2016	Absent/present
		<i>Pseudomonas aeruginosa</i> , Per Napkin	SLS 1732:2022 SLS 1350:2016	Absent/present
		<i>Candida albicans</i> , per Napkin	SLS 1732:2022 SLS 1488:2016	Absent/present
30	Liquid Fuel	Viable bacterial count, CFU per 10 mL	ASTM D 6974-20	10-10 ⁴
		Yeasts and Moulds count, CFU per 10 mL	ASTM D 6974-20	10-10 ⁴
31	Coir fiber pith substrate	<i>E.coli</i> , MPN per g	SLS 1219: 2001 SLS 516-12:2013	0-110
		<i>Salmonella</i> , per 25 g	SLS 1219: 2001 SLS 516-5:2017	Absent/present

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
32	Contact surfaces ,(Sampling/ Analysis)	Aerobic plate counts, CFU per cm ² /Unit	ISO 18593:2004 SLS 516 Part 1 Section 1:2013 ISO 4833-1:2013	1-10 ⁶
		Yeast and mould counts, CFU per cm ² /Unit	ISO 18593:2004 SLS 516 Part 2 Section 1:2013 ISO 21527-1:2008 SLS 516 Part 2 Section 2:2013 ISO 21527-2:2008	1-10 ⁶
		<i>Salmonella</i> sp. , per 100 cm ² /Unit	ISO 18593:2004 SLS 516 Part 05:2017 ISO 6579-1:2017	Absent/present
		Coliforms, MPN per cm ² /Unit	ISO 18593:2004 SLS 516 Part 3: Section1:2013 ISO 4831:2006	0-110
		<i>E.coli</i> , MPN per cm ² /Unit	ISO 18593:2004 SLS 516 Part 12:2013 ISO 7251:2005	0-110
33	Air quality	Aerobic plate count, CFU per m3	CML/MM/01/08/001	20-10 ⁴
		Yeasts and moulds, CFU per m3	CML/MM/01/08/001	20-10 ⁴

Acting Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment