

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

Sl 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
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