

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



Valid from 11 September 2019
to 10 November 2022
Issued on 11 September 2019



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

Chemical and Microbiology Laboratory
Industrial Technology Institute
N o.120 / 4 A, Vidya Mawatha
Colombo 07.

Scope of Accreditation: Performing Microbiological Testing on Products Categories of Food & Agricultural Products (Fish/Shrimp, Sea Food, Spices, Green & Black Tea, Herbal Products, Coconut products, Meat products, Milk products, Ice Cream, Wheat based products, Carbonated & non carbonated beverages, ready to serve drink), Water/Ice, Bottled drinking water, Surface & River water, Swimming pool water, sampling of water, Cosmetics and Toothpaste as per the Test Methods appearing in this Schedule.

The laboratory is accredited for the following tests as per given in the page 02 of 06 to page 06 of 06.

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
01	Fish/Sea Food	Aerobic Plate Count at 30°C (CFU) / g	SLS 516 part 1 /Section 1:2013 ISO 4833- 1:2013	10 -10 ⁶
		Total Coliform Count (MPN)/g	SLS 516 part 1 /Section 1:2013 ISO 4831- 1:2006	0-110
		Faecal Coliforms (MPN)/g	SLS 516 part 12:2013 ISO 7251: 2005	0-110
		<i>E.coli</i> (MPN)/g	SLS 516 part 12:2013 ISO 7251: 2005	0-110
		<i>Salmonella</i> /25g	SLS 516 part 05:2017 ISO 6579-1: 2017	Present /Absent
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004/V 1.3	10 -10 ⁶
		<i>Vibrio cholerae and VibrioParahaemolyticus</i>	SLS 516 part 07: Section 1: 2017 ISO/TS 21872-1: 2017	Present /Absent
02	Spices	Enterobacteriaceae / g	ISO 21528 – 2:2017	10 -10 ⁷
03	Green and Black Tea (Dry or Flavored) / Green and Black Tea (Liquid)	Aerobic Plate Count at 30°C (CFU) / g or ml	SLS 516 part 1 /Section 1:2013 ISO 4833- 1:2013	10 -10 ⁶ / 1-10 ⁶
		Faecal Coliforms (MPN)/g	SLS 516 part 12:2013 ISO 7251: 2005	0-110
		<i>E.coli</i> (MPN)/g or ml	SLS 516 part 12:2013 ISO 7251: 2005	0-110
		Enterobacteriaceae / g or ml	ISO 21528 – 2:2017	10 -10 ⁶ / 1-10 ⁶
		Yeast & Mould Count / g or ml	SLS 516 Part 2/ Section 1:2013 ISO 21527 – 1: 2008 SLS 516 Part 2/Section 2:2013 ISO 21527 – 2: 2008	10 -10 ⁶ / 1-10 ⁶
04	Yoghurt	<i>E .Coli</i> (MPN)/g	SLS 824:2:2018	0-110
		Yeasts/g		10-10 ⁶
		Moulds /g		10 -10 ⁶
	Drinking Yoghurt	<i>E .Coli</i> (MPN)/ml	SLS 824:2:2018	0-110
		Yeasts/ml		1-10 ⁶
		Moulds /ml		1-10 ⁶

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
05	Desiccated Coconut, Creamed Coconut Coconut Paste	Aerobic Plate Count /g	SLS 516/1 Sec 1: 2013 ISO 4833 -1: 2013	10 -10 ⁶
		Yeast and Mould Count /g	SLS 516/2 Sec 1: 2013 ISO 21527 -1: 2008	10 -10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1: 2013 ISO 4831: 2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12: 2013 ISO 7251: 2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5: 2017 ISO 6579-1: 2017	Absent/Present
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004	10 -10 ⁶
06	Poultry Meat, Comminuted Meat Products	Aerobic Plate Count /g	SLS 516/1 Sec 1: 2013 ISO 4833 -1 :2013	10 -10 ⁶
		Yeasts and Moulds Count /g	SLS 516/2 Sec 1 :2013 ISO 21527 -1 :2008	10 -10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1: 2013 ISO 4831:2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12:2013 ISO 7251 :2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5: 2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004	10 -10 ⁶
07	Carbonated Beverages	Aerobic Plate Count /ml	SLS 516/1 Sec 1:2013 ISO 4833 -1 :2013	10 -10 ⁶
		Yeast and Mould Count /ml	SLS 516/2 Sec 1 :2013 ISO 21527 -1 :2008	10 -10 ⁶
		Coliforms (MPN)/ml	SLS 516/3 Sec 1: 2013 ISO 4831:2006	0-110
08	Ice Cream	Aerobic Plate Count /g	SLS 516/1 Sec 1:2013 ISO 4833-1:2013	1 -10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1:2013 ISO 4831 :2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5:2017 ISO 6579-1:2017	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
09	Wheat and Wheat Based products , Cereals , Biscuits	Aerobic Plate Count /g	SLS 516/1 Sec 1:2013 ISO 4833 -1:2013	10 -10 ⁶
		Yeast and Mould Count /g	SLS 516/2 Sec 2:2013 ISO 21527 -2 :2008	10 -10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1:2013 ISO 4831:2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5:2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004	10 -10 ⁶
10	Non Carbonated Artificial /Flavored Cordials and Beverages	Aerobic Plate Count /ml	SLS 516/1 Sec 1:2013 ISO 4833 -1:2013	1 -10 ⁶
		Yeast and Mould Count /ml	SLS 516/2 Sec 1:2013 ISO 21527 -1:2008 SLS 516/2 Sec 2:2013 ISO 21527 -2 :2008	1 -10 ⁶
		Coliforms (MPN)/ml	SLS 516/3 Sec 1:2013 ISO 4831:2006	0-110
11	Ready to Serve Drinks	Aerobic Plate Count /ml	SLS 516/1 Sec 1 :2013 ISO 4833 -1:2013	1 -10 ⁶
		Yeast and Mould Count /ml	SLS 516/2 Sec 1:2013 ISO 21527 -1:2008	1 -10 ⁶
		Coliforms (MPN)/ml	SLS 516/3 Sec 1:2013 ISO 4831 :2006	0-110
12	Milk Powder Raw and Processed Milk	Aerobic Plate Count /g	SLS 516/1 Sec 1 :2013 ISO 4833 -1:2013	10-10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1:2013 ISO 4831:2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12:2013 ISO 7251 :2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5: 2017 ISO 6579-1:2017	Absent/Present
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004	10-10 ⁶

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
13	Herbal Products (Edible)	Aerobic Plate Count /g	SLS 516/1 Sec 1: 2013 ISO 4833 -1 :2013	10-10 ⁶
		Yeast and Mould Count /g	SLS 516/2 Sec 1:2013 ISO 21527 -1:2008	10-10 ⁶
		Coliforms (MPN)/g	SLS 516/3 Sec 1 :2013 ISO 4831:2006	0-110
		<i>E.coli</i> (MPN)/g	SLS 516/12:2013 ISO 7251:2005	0-110
		<i>Salmonella</i> /25g	SLS 516/5: 2017 ISO 6579-1 :2017	Absent/Present
		<i>Staphylococcus aureus</i> /g	CML/MM/01/02/004	10-10 ⁶
14	Water /Ice	Aerobic Plate Count at 22°C , 30°C and 37°C (CFU) /ml	SLS 516 part 1/Section 1 :2013 ISO 4833 -1 :2013	1-10 ⁶
		Total Coliform Count (MPN) /100ml	SLS 614 :2013 SLS 1461 Part 1/ Section 3: 2013	0-1800
		Faecal Coliforms (MPN) /100ml	SLS 614 :2013 SLS 1461 Part 1/ Section 3: 2013	0-1800
		<i>E.coli</i> (MPN)/100ml	SLS 614 :2013 SLS 1461 Part 1/ Section 3: 2013	0-1800
		Spores of Sulphite Reducing Clostridia (MPN/100ml)	ISO 6461-1:1986 Reviewed and Confirmed 2010	0-180
		Intestinal Enterococci (MF/100ml)	ISO 7899- 2:2000	0-10 ⁴
15	Water	Sampling	SLS – 614 :2013	-
16	Bottled Drinking Water	Aerobic Plate Count at 37°C (CFL/ml)	SLS 516 part 1/Section 1 :2013 ISO 4833 -1 :2013	10-10 ⁶
		Total Coliform Count (MPN) /100ml	SLS 614 :2013 SLS 1461 Part 1/ Section 3: 2013	0-1800
		<i>E.coli</i> (MPN)/100ml	SLS 614 :2013, SLS 1461 Part 1/ Section 3: 2013	0-1800
17	Swimming Pool Water	Standard Plate Count/ml	IS 3328:1993	1-10 ⁶
		Coliform Count (MPN) /100ml	IS 3328: 1993	0-110

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	River Water Surface Water Waste Water	Aerobic Plate Count/ ml	SLS 516/1 sec 1: 2013 ISO 4833- 1:2013	1-10 ⁶
19	Cosmetics	Mesophilic Bacteria /g or ml	SLS 1349:2008 ISO 21149:2006 (Pour Plate Technique)	10-10 ⁶
		<i>Pseudomonas aeruginosa</i> /10g or 10ml	SLS 1350:2016 ISO 22717:2015	Present /Absent
		<i>Staphylococcus aureus</i> / 10g or 10ml	SLS 1351:2016 ISO 22718:2015	Present /Absent
		<i>E.coli</i> (MPN)/10g or 10ml	SLS 1489:2016 ISO 21150:2015	Absent/Present
		Yeast and Mould Count /g or ml	ISO 16212:2017	10-10 ⁶
20	Tooth Paste	Aerobic Plate Count /g	SLS 1349:2008 ISO 21149:2006 (Pour Plate Technique)	10-10 ⁶
		<i>E.coli</i> (MPN)/g	SLS 275:2014	Absent/Present
		<i>Salmonella</i> /25g	SLS 275:2014	Absent/Present

Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment