

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



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ISO/ IEC 17025
TL 001- 01

Schedule of Accreditation

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

Accreditation Number: TL 001 – 01

Chemical Laboratory
Bamber & Bruce Limited
No.22/A,
Vijaya Kumaranatunga Mawatha,
Colombo 05.

Scope of Accreditation: Performing Chemical Testing on Product Groups of Soaps & Detergents (Cosmetics), Food & Agriculture (Tea), Water and Fertilizer as per the Test Methods given in this schedule.

The laboratory is accredited for the following tests.

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (\pm)
01	Soaps & Detergents (Cosmetics)				
1.1	Soaps	Moisture & Volatile Matter-Oven Method (%)	SLS 1391:Part 8:2009	0.1 - 25.0	0.01
1.2	Shampoo	Volatile matter (%)	SLS 1346:2008	0.1 - 25.0	0.03
1.3	Tooth paste	Moisture & Volatile matter (%)	SLS 275:2006	0.1 – 25.0	0.05

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±)
02	Food & Agricultural Products (Tea)				
01	Tea	Loss in mass at 103°C or Moisture (%)	SLS 28 Part 2 :2008 ISO 1573:1980	0.1 – 10.0	0.03
		Alkalinity of water soluble ash (%)	SLS 28 - Part 6 :2008 ISO 1578:1975	0.5-5.0	0.2
		Acid insoluble ash (%)	SLS 28 - Part 5 :2008 ISO 1577: 1987	0.1 -10.00	0.07
		Water extract (%)	SLS 28 - Part 7 :2008 ISO 9768: 1994	10 - 60	5
		Crude fibre (%)	SLS 28 - Part 8 :2008 ISO 15598:1999	0.1 - 30	0.05
		Total Ash (%)	SLS 28 - Part 3 :2008 ISO 1575:1987	0.01-10.00	0.06
		Water soluble ash in total ash (%)	SLS 28 - Part 4 :2008 ISO 1576 :1988	0.01-10.00	0.001
		Water insoluble ash (%)	SLS 28 - Part 4 :2008 ISO 1576 :1988	0.01-10.00	0.001
		Caffeine (g /100g %)	In-house Method 1	0.04 - 5.00	0.12
03	Water				
3.1	Potable Water	Chlorides (mg/L)	APHA 21 st Edition 4500 - Cl B	10 - 1200	6
		Total hardness (mg/L)	APHA 21 st Edition 2340 C	20-600	1

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3.1	Potable Water	Calcium(mg/L)	APHA 21 st Edition 3500-Ca D	5 - 240	0.3
		Magnesium(mg/L)	APHA 21 st Edition 3500-Mg E	5 - 140	0.01
		Chemical Oxygen Demand (mg/L)	APHA 21 st Edition 5220 B	5 - 50	4.6
3.2	Waste Water & Industrial Effluents	pH	APHA 21 st Edition 4500- H ⁺ B	3.0-11.0/0.2	0.1
		TSS (mg/L)	APHA 21 st Edition 2540 D	10-200 mg/L/0.5 mg/L	0.1
		BOD ₅ day (mg/L)	APHA 21 st Edition 45210 B & 4500 – O C	5-2,000 mg/L / 5 mg/L	41.5
		COD (mg/L)	APHA 21 st Edition 5220 B)	5-5,000 mg/L / 5 mg/L	4.6
		Oil & Grease (mg/L)	APHA 21 st Edition 5220 B)	2-100 mg/L / 1 mg/L	1.8
		Phenolic compounds (mg/L)	APHA 21 st Edition 5530 C)	1-5 mg/L / 0.1 mg/L	0.9
		Sulphides (mg/L)	APHA 21 st Edition 4500-S ²⁻ F	1-100 mg/L /0.1 mg/L	0.8
		Zinc (mg/L)	APHA 21 st Edition 3111 B	0.2-100 mg/L / 0.1 mg/L	0.1
		Ammoniacal Nitrogen (mg/L)	APHA 21 st Edition 4500 – NH ₃ B & C	5-200 mg/L / 1 mg/L	0.04
		Chlorides(mg/L)	APHA 21 st Edition 4500 – Cl ⁻ B	10-1000 mg/L / 5 mg/L	6

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04	Fertilizer				
4.1	Sulphate of Ammonia	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
4.2	Single Super Phosphate (Granular & powder form)	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
		Total Phosphate, as P ₂ O ₅ (%)	SLS 645 Part 5: 1985	0.2 – 80	0.13
		Water soluble Phosphate, as P ₂ O ₅ (%)	SLS 645 Part 5: 1985	0.1 – 95	0.06
4.3	Urea	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
4.4	Murate of Potash (MOP)	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
		Potassium Content (%)	SLS 645 Part 4: 1989	0.1 – 60	0.29
		Sodium as NaCl (on dry basis) (%)	SLS 645 Part 7- section 1: 1994	0.1 – 20	0.36
4.5	Tripple Super Phosphate	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
		Total Phosphate, as P ₂ O ₅ (%)	SLS 645 Part 5: 1985	0.2 – 60	0.13
		Water soluble Phosphate, as P ₂ O ₅ (%)	SLS 645 Part 5: 1985	0.1 – 95	0.06
		Free Phosphate, as P ₂ O ₅ (%)	SLS 812 : 1988 Appendix A	0.1 – 60	0.07
4.6	Mixed Fertilizer	Moisture (%)	SLS 645 Part 2 : 1984 Method 1	0.1 – 30	0.01
		Total Phosphate, as P ₂ O ₅ (%)	SLS 645 Part 5: 1985	0.2 – 60	0.13

Acting Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment