Valid from 10 April 2022
to 09 April 2025
Issued on 10 April 2022

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

ISO/ IEC 17025
TL 031-01

Schedule of Accreditation

Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 031-01

Intertek Lanka (Pvt) Ltd
"Intertek House"
No. 282, Kaduwela Road, Battaramulla.

Scope of Accreditation: Performing Chemical Testing on Food & Agricultural Products, Water & Waste Water and Fertilizer.

The laboratory is accredited for the tests indicated in following pages.

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
	Food & Agricultural Products			
1.1	Black Tea Green Tea	Loss in mass at 103°C Percent by mass	ISO 1573:1980 & ISO 1572:1980 SLS 28/2:2008 & SLS 28/1:2008	1.0 – 10.0%
1.2		Total ash, percent by mass	ISO 1575:1987 & SLS 28/3:2008	1.0 – 10.0%
1.3		Water soluble ash of total ash, percent by mass	ISO 1576:1988 SLS 28/4:2008	45 (minimum)%
1.4		Alkalinity of water soluble ash (as KOH), percent by mass	ISO 1578:1975 SLS 28/6:2008	1.0 – 3.0%
1.5		Acid insoluble ash, percent by mass	ISO 1577 (1987) SLS 28/5:2008	2.0 (Maximum)%
1.6		Water extract, percent by mass	ISO 9768:1994+Cor 1:1998 SLS 28/7:2008	20.0 (Minimum)%
1.7		Crude fibre, percent by mass	ISO 15598:1999 SLS 28/8:2008	25.0 (Maximum)%`

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
	Fertilizer			
2.1	Ammonium Sulphate, Urea, Monoammonium Phosphate, Rockphosphate, Triple Superphosphate, Single Superphosphate, MOP, Dolomite ,Magnesium Sulphate Monohydrate (Fertilizer grades), Mixed Fertilizer	Moisture, percent by mass	SLS 645: Part 2: Method 1: 1984	0.5 - 5.0
2.2	Mixed Fertilizer, Urea	Total Nitrogen, as N, percent by mass	SLS 645: Part 1:2009	2 – 50 %
2.3	Ammonium Sulphate, Ammonium Chloride, Monoammonium Phosphate, Diammonium Phosphate, Mixed Fertilizer	Ammocal Nitrogen, as N, percent by mass	SLS 645: Part 1: Section B: 2009	1-30%
2.4	Mixed Fertilizer, Monoammonium Phosphate, Diammonium Phosphate, Rockphosphate, TripleSuperphosphate, Single Superphosphate	Total phosphate as P_2O_5, percent by mass	SLS 645: Part 5: 1985	2.0 % (minimum) (2-50) % Working Range
2.5	Monoammonium Phosphate, Diammonium Phosphate, Rockphosphate, Triple Superphosphate, Single Superphosphate	Water soluble phosphate, as P_2O_5 percent by mass	SLS 645: Part 5: 1985	2.0 % (minimum) 2-50) % Working Range
2.6	Mixed Fertilizer, Dolomite, Magnesium Sulphate Monohydrate, Epsom Salt	Calcium, as CaO, percent by mass	SLS 645: Part 6 :1990	1.0 % (minimum) 2-50) % Working Range
2.7	Mixed Fertilizer, Dolomite, Magnesium Sulphate Monohydrate, Epsom Salt	Magnesium, as MgO, percent by mass	SLS 645: Part 6 :1990	1 – 30%
2.8	Fertilizer	Arsenic, As	In-House Method (AOAC 2006.03:2009 Modified Method using ICPMS)	0.01 – 10.0mg/L
2.9		Cadmium, Cd		
2.10		Chromium, Cr		
2.11		Lead, Pb		

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
	Water			
3.1	**Drinking Water, Processing Water, Potable Water, Raw Water**	pH	APHA 23rd 4500-H^+ B	1.0 – 14.0 pH
3.2		Aluminum (as Al)	APHA 23rd 3113 B	0.005 – 0.1 ppm
3.3		Chloride, as Cl	APHA 23rd 4500-Cl^- B	5- 500 mg/L
3.4		Calcium (as Ca)	APHA 23rd 3500-Ca B	5 – 200 mg/L
3.5		Hardness, as CaCO3	APHA 23rd 2340 C	5 - 500 mg/L
3.6		Chemical Oxygen Demand (COD)	APHA 23rd 5220 B	5 – 50 mg/L
3.7		Copper	APHA 23rd 3125 (ICP MS)	0.005 – 0.1 mg/L
3.8		Fluoride, as F	APHA 23rd 4500-F^- C	0.10 -5.00 mg/L
3.9		Magnesium	APHA 23rd 3500-Mg B	5-200 mg/L
3.10		Manganese	APHA 23rd 3125 (ICP MS)	0.005 – 0.1 mg/L
3.11		Nickel	APHA 23rd 3125 (ICP MS)	0.005 – 0.1 mg/L
3.12		Sulphate	APHA 23rd 4500-SO_4^{2-} E	10 – 600 mg/L
3.13		Total phosphate	APHA 23rd 4500-P C	1-5 mg/L
3.14		Zinc	APHA 23rd 3125 (ICP MS)	0.005 – 0.1 mg/L
3.15		Arsenic		
3.16		Cadmium		
3.17		Chromium		
3.18		Lead		
3.19		Selenium		
3.20		Alkalinity, as CaCO3	APHA23rd 2320 B	5–500 mg/L
3.21		Total solids/ Dry Residues	APHA 23rd 2540 B	10 – 2000 mg/L
3.22		Total Suspended Solids	APHA 23rd 2540 D	5– 500 mg/L
3.23		Total Dissolved Solids	APHA 23rd 2540 C	10 – 2000 mg/L
3.24		Iron, as Fe	APHA 23rd 3500-Fe B	0.1 – 10.0 mg/L

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
4.1	**Wastewater**	pH	APHA 23rd 4500-H^+ B	1.0-14.0 pH
4.2		COD	APHA 23rd 5220 B	5-1500 mg/L
4.3		BOD	APHA 23rd 5210 B	5-500 mg/L
4.4		TSS	APHA 23rd 2540 D	5-500 mg/L
4.5		Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	(In-house SOP for Determination of ZDHC Parameters in Wastewater C036.TP	1 ppb- 1000 ppb
4.6		Azo dyes (Forming restricted amines)		0.1 ppb- 1000 ppb
4.7		Phthalates (Ortho-phthalates)	(In-house SOP for Determination of ZDHC Parameters in Wastewater C036.TP	1 ppb- 1000 ppb
		Lead (Pb)	US EPA 200.8:1994	0.001 -0.1 ppm
		Cadmium (Cd)		0.001 -0.1 ppm
		Mercury (Hg)		0.00005 -0.1 ppm
		Antimony (Sb)		0.001 -0.1 ppm
		Arsenic (As)		0.001 -0.1 ppm
		Chromium (Cr) (total)		0.001 -0.1 ppm
		Chromium (VI) (Cr) VI		
		Cobalt (Co)		0.001 -0.1 ppm
		Copper (Cu)		0.001 -0.1 ppm
		Nickel (Ni)		0.001 -0.1 ppm
		Zinc (Zn)		0.001 -0.1 ppm
		Silver (Ag)		0.001 -0.1 ppm

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment