

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



Valid from 12 February 2023
to 11 February 2026
Issued on 26 June 2023



ISO/ IEC 17025
TL 069-01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 069-01

Government Analyst Department

No.31, Isuru Mawatha, Pelawatta
Baththaramulla

Scope of Accreditation: Performing chemical tests on Food & Water, Liquor and Forensic tests on Narcotics & Psychotropic substances and Forensic Toxicology, Forensic Serology & DNA, Ballistics and Firearms, Explosives & Fire Investigations, Examination of Questioned Documents and Forensic Miscellaneous as per the test methods appearing in this schedule

The laboratory is accredited for the following tests.

Chemical Testing – Food Science Division

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
Food Laboratory				
1.1	Black Tea	Loss in mass	SLS 28 Part 2: 2008	3 - 15%
1.2		Total ash	SLS 28 Part 3: 2008	4 - 8%
1.3		Water soluble ash as a percentage of total ash	SLS 28 Part 4: 2008	30 - 55%
1.4		Acid insoluble ash	SLS 28 Part 5: 2008	0.1 - 3.0%
1.5		Alkalinity of water-soluble ash	SLS 28 Part 6: 2008	0.1 - 3.0%
1.6		Water extract	SLS 28 Part 7: 2008	20 - 70%
1.7		Crude fiber	SLS 28 Part 8: 2008	4 - 30%
1.8	High water fruits (Apple)	Alpha HCH Beta HCH Gamma HCH Diazinon	AOAC Official method 2007.01 Detection: GC-MS/MS	LOQ: 0.01 mg/kg

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.8	High water fruits (Apple)	Parathion-methyl	AOAC Official method 2007.01 Detection: GC-MS/MS	LOQ: 0.01 mg/kg
		Heptachlor		
		Pirimiphos- methyl		
		Malathion		
		Fenthion		
		Aldrin		
		Chloropyrifos		
		Parathion-ethyl		
		Phenthoate		
		Alpha-Endosulfan		
		Prothiophos		
		Propenofose		
		Dieldrin		
		Endrin		
		Beta EndoSulfan		
		DDT-o,p'		
		Oxadixyl		
		Propiconazole (total)		
		DDT-p,p'		
		Tebuconazole		
Bifenthrin				
Lambda-Cyhalothrin				
Permethrin (total)				
1.9	High water and high acid fruits (Orange)	Parathion-methyl	AOAC Official method 2007.01 Detection: GC-MS/MS	LOQ: 0.01 mg/kg
		Heptachlor		
		Pirimiphos- methyl		
		Malathion		
		Fenthion		
		Aldrin		
		Chloropyrifos		
		Parathion-ethyl		
		Phenthoate		
		Alpha-Endosulfan		
		Prothiophos		
		Propenofose		
		Dieldrin		
		Endrin		
		Beta EndoSulfan		
		DDT-o,p'		
		Oxadixyl		
		Propiconazole (total)		
		DDT-p,p'		
		Tebuconazole		
Bifenthrin				
Lambda-Cyhalothrin				
Permethrin (total)				

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1.10	High water vegetables (Tomato)	Parathion-methyl	AOAC Official method 2007.01 Detection: GC-MS/MS	LOQ: 0.01 mg/kg
		Heptachlor		
		Pirimiphos- methyl		
		Malathion		
		Fenthion		
		Aldrin		
		Chloropyrifos		
		Parathion-ethyl		
		Phenthoate		
		Alpha-Endosulfan		
		Prothiophos		
		Propenofose		
		Dieldrin		
		Endrin		
		Beta EndoSulfan		
		DDT-o,p'		
		Oxadixyl		
		Propiconazole (total)		
		DDT-p,p'		
		Tebuconazole		
Bifenthrin				
Lambda-Cyhalothrin				
Permethrin (total)				

2. Water Laboratory

2.1	Waste water and effluents	Biological Oxygen Demand (BOD)	APHA 5210B 23rd Edition: 2012	1 - 198 mg/l
2.2		Chemical Oxygen Demand (COD)	ASTM - D1252-06: 2012	1 - 1000 mg/l
2.3	Drinking water, Bottled and Potable water	Arsenic (As)	APHA (3125B) 23rd Edition: 2018	0.0012 mg/l
		Cadmium (Cd)		0.0010 mg/l
		Chromium (Cr)		0.0011 mg/l
		Copper (Cu)		0.0014 mg/l
		Manganese (Mn)		0.0012 mg/l
		Nickel (Ni)		0.0017 mg/l
		Lead (Pb)		0.0013 mg/l
		Selenium (Se)		0.0016 mg/l

3. Liquor Laboratory

3.1	Beer	Ethyl Alcohol content	SLS 234: 2016, Appendix B	1.0-60.0 (% V/V)
3.2			GAD/Liq/TMM/7.2-01	LOD: 1.0 %
3.3		pH	SLS 234: 2016, Appendix C	1.0 -7.0
3.4			GAD/Liq/TMM/7.2-01	1.0 -7.0
3.5	Distilled Liquor	Apparent alcoholic strength	SLS 919:1991, Appendix A, Method 2	1.0 – 60.0 (% V/V)
3.6			GAD/Liq/TMM/7.2-01	LOD: 1.0 %
3.7		Actual alcoholic strength	SLS 919:1991, Appendix A, Method 1	1.0 – 60.0 (% V/V)
3.8			GAD/Liq/TMM/7.2-01	LOD: 1.0 %
3.9	Wine	Ethyl Alcohol content	GAD/Liq/TMM/7.2-01	LOD: 1.0 %
3.10		pH		1.0 – 7.0

Forensic Testing – Forensic Testing Division

SI No.	Product(s) / Material of test	Specific tests performed	Test method / Standard against which tests are performed	Range of testing / Limits of detection
1. Forensic Firearms & Ballistics Laboratory				
1.1	Fired cartridge cases	Physical examination, classification and comparison of fired cartridge cases	GAD-Bal/TMM/7.2/01	-
1.2	Fired bullets	Physical examination, classification and comparison of fired bullets	GAD-Bal/TMM/7.2/02	-
1.3	Firearms	Identification of firearms, ammunitions and examination of serial numbers of firearms	GAD-Bal/TMM/7.2/03	-
2. Explosive & Fire Investigation Laboratory				
2.1	Explosive materials	Identification of TNT and RDX	GAD-Exp/TMM/7.2/01	-
2.2	Fire debris	Analysis of fire debris evidence	GAD-Exp/TMM/7.2/02	LOD = 0.02%
3. Narcotic & Psychotropic Substances Laboratory				
3.1	Seized material	Quantitative analysis of Heroin	GAD-Narc/TMM/7.2/01	Range 10 – 1000 ppm LOD – 4.55 ppm
3.2		Qualitative & quantitative analysis of Cocaine	GAD-Narc/TMM/7.2/02	Range 10 – 1000 ppm LOD – 8.02ppm
4. Forensic Serology & DNA Laboratory				
4.1	Blood	DNA matching	GAD/Sero & DNA/TMM/7.2-01	-
4.1	Buccal cells	DNA analysis on Buccal swab samples	GAD/Sero & DNA/TMM/7.2-02	-
5. Forensic Toxicology Laboratory				
5.1	Blood	Blood alcohol	GAD/Toxi/TMM/7.2-01	Range: 20-40 mg/100ml LOD: 0.11 mg/100ml
5.1	Biological samples	Acid/Neutral/Base drugs screening & identification (Midozalam, Chlorpromazine, Chlorophenramine, Amitriptyline, Diazepam, Phenobarbital, Paracetamol, Phenytoin, Clonazepam)	GAD/Toxi/TMM/7.2-02	-
6. Forensic Miscellaneous Laboratory				
6.1	Vehicles	Serial number restoration	GAD/Misc/TMM/7.2-01	-
7. Examination of Questioned Documents Laboratory				
7.1	Documents	Examination of handwritten items	ASTM-E 2290-07a	-
7.2		Examination of rubber stamp impressions	ASTM-E 2289-08	-

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment