



As Proficiency Testing Provider, this Proficiency Testing Provider is entitled to use the following accreditation symbol.

Valid from 07 August 2022
to 06 August 2025
Issued on 07 July 2023



ISO/IEC 17043
PT 001-01

Schedule of Accreditation

Accreditation Scheme for Proficiency Testing Provider
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: PT 001-01

ITI PT Scheme
Industrial Technology Institute
No. 363, Bauddhaloka Mawatha, Colombo 07

Scope of Accreditation: Provision of Proficiency Testing in the fields of Microbiology (Food & Water), Chemical (Cement & Water) and Mechanical (Cement) as per methods specified in the Scope of Accreditation

The Proficiency Testing Provider is accredited for the following Proficiency Schemes as given in the pages 02 & 03;

SI NO	Field of PT Scheme	Specific PT area/ Products or materials	Determinant	Reference Methods/ Procedures	Limitation/ Range	Frequency	Site/ Location
01	Biological	Microbiology in Food (Liquid tea)	Aerobic Plate Count at 30 °C/ml	SLS 516-1 Section 1:2013 (ISO 4833-1:2013)	Varies depending on the round	Biennial	ITI
			Yeast and Mould count /ml	SLS 516-2 Section 1:2013 (ISO 21527-1:2008)			
			Total <i>Coliforms</i> /ml	SLS 516-3 Section 1:2013 (ISO 4831:2006)			
			<i>E. coli</i> /ml	SLS 516-12 :2013 (ISO 7251:2005)			
			<i>Staphylococcus aureus</i> /ml	CML/MM/01/02/004			
			<i>Salmonella</i> /25ml	SLS 516-5 :2017 (ISO 6579-1:2017)			
02	Biological	Microbiology in Water	Aerobic Plate Count at 30 °C /ml	SLS1461 Part 2 Section1 :2014	Varies depending on the round	Biennial	ITI
			Aerobic Plate Count at 37 °C /ml				
			Aerobic Plate Count at 22 °C /ml				
			Total <i>Coliforms</i> /ml				
			<i>E.coli</i> /ml	SLS1461 Part 1 Section 3 :2013			
03	Mechanical	Physical properties in Ordinary Portland Cement	Compressive strength 2 days (MPa)	SLS ISO 679 :2011	≥10	Biennial	ITI
			Compressive strength 28 days (MPa)	SLS ISO 679 :2011	≥42.5 and ≤62.5		
			Initial setting time (min)	SLS ISO 9597 :2011	≥60		
			Soundness (min)	SLS ISO 9597 :2011	≤10		

SI NO	Field of PT Scheme	Specific PT area/ Products or materials	Determinant	Reference Methods/ Procedures	Limitation/ Range	Frequency	Site/ Location
04	Chemical	Chemical properties in Ordinary Portland Cement	Sulphate content (Expressed as SO ₃) (% by mass)	SLS ISO 29581-1:2011	≤3.0	Biennial	ITI
			Chloride content (% by mass)	SLS ISO 29581-1:2011	≤5.0		
			Insoluble residue (% by mass)	SLS ISO 29581-1:2011	≤5.0		
			Loss on ignition (% by mass)	SLS ISO 29581-1:2011	≤5.0		
05	Chemical	Chemical properties in water	pH at 25 ± 2 °C	APHA 4500 H ⁺	6.0 -7.0	Biennial	ITI
			Electrical Conductivity (µS/cm) 25 ± 2 °C	APHA 2510 B	210- 220		
			Total Alkalinity (mg/L) as CaCO ₃	APHA 2320 B	25.5 – 30.0		
			Chloride as Cl ⁻ (mg/L)	APHA 4500 cl B	35.5- 38.5		
			Total Hardness (mg/L) as CaCO ₃	APHA 2340 C	19.5 – 23.5		
			Total Solids mg/L (Dried at 103-105 °C)	APHA 2340 B	120 -128		
			Fluoride as F ⁻ (mg/L)	APHA 4500 FC	0.3 -0.6		

Director/CEO

Sri Lanka Accreditation Board for Conformity Assessment