

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



Valid from 13 February 2019
to 05 January 2022
Issued on 13 February 2019



ISO/ IEC 17025
TL 044-01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: TL 044 - 01

Tokyo Cement Company (Lanka) PLC- Laboratory
P O Box 2, Cod Bay, China Bay
Trincomalee

Scope of Accreditation: Performing chemical tests on cement and Mechanical testing on Cement and Concrete

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

Sl	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
Chemical Testing				
1	Cement (Ordinary Portland Cement)	Insoluble Residue	SLS ISO 29581-1:2011	0.2 – 40 (% by mass)
		Total loss on Ignition	SLS ISO 29581-1:2011	0.9 – 10 (% by mass)
		Sulphur tri Oxide	SLS ISO 29581-1:2011	0.2 – 5 (% by mass)
		Total Chlorides	SLS ISO 29581-1:2011	0.01 – 0.2 (% by mass)
2	Cement(Blended Hydraulic Cement)	Sulphur tri Oxide	SLS ISO 29581-1:2011	0.2 – 5 (% by mass)
		Total Chlorides	SLS ISO 29581-1:2011	0.01 – 0.2 (% by mass)
Mechanical Testing				
1	Cement (Ordinary Portland Cement, Blended Hydraulic Cement)	Fineness (Blaines)	* LMS-WI-10 Rev. 00 (Based on SLS 107: Part – 2:2008)	1000 - 5000 cm ² / g
		Initial Setting Time	SLS ISO 9597:2011	05 – 600 min
		Soundness by Le-Chatelier Expansion	SLS ISO 9597:2011	0.1 - 15 mm
		2 days Compressive Strength	SLS ISO 679: 2011	6 – 75 N/ mm ²
		28 days Compressive Strength	SLS ISO 679: 2011	6 – 75 N/ mm ²
		Standard Consistency	SLS ISO 9597:2011	20 - 35
2	Concrete	Compressive Strength	SLS 1144:Part -2: 1996 (Clause 11)	10 - 70 N/ mm ²

Notes:

* LMS-WI-10 Rev. 00 ; Fineness of Cement (Operation of Blaone’s Air Permeability Apparatus based on SLS 107:Part 2:2008)
SLS ISO 29581-1:2011, SLS ISO 9597:2011 and SLS ISO 769:2011 test methods are relevant to SLS 107:2015 and SLS 1247:2015.

Compressive Strength of Concrete – Laboratory performs only crushing of concrete Cubes. Therefore clause 11 of SLS 1144: Part -2: 1996 is applicable.

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment
Colombo, Sri Lanka