

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



Valid from 06 January 2016  
to 05 January 2019  
Issued on 05 February 2016



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 PO Box 2, Cod Bay, China Bay, Trincomalee

**Scope of Accreditation:** Performing Chemical Testing on Cement (Ordinary Portland Cement and Portland Pozzolana Cement) and Mechanical Testing on Cement & Concrete as given below.

The laboratory is accredited for the following tests.

Sl No:	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
<b>Field of testing:</b> Chemical		<b>Product groups:</b> Cement		
01	Cement (Ordinary Portland Cement)	Insoluble Residue	SLS 107: Part – 2: 2008	0.2 – 40 % by mass
		Total loss on Ignition	SLS 107: Part – 2: 2008	0.1 – 10 % by mass
		Silicon Di Oxide	SLS 107: Part -2: 2008	10 - 40 % by mass
		Aluminium Oxide	SLS 107: Part – 2: 2008	1 - 10 % by mass
		Ferric Oxide	SLS 107: Part – 2: 2008	1 - 10 % by mass
		Calcium Oxide	SLS 107: Part – 2: 2008	40 - 70 % by mass
		Magnesium Oxide	SLS 107: Part – 2: 2008	1 - 10 % by mass
		Sulphur tri Oxide	SLS 107: Part – 2: 2008	0.2 – 5 % by mass
		Total Chlorides	SLS 107: Part – 2: 2008	0.01 – 0.2 % by mass
		Tri Calcium Aluminate	SLS 107: Part-2: 2008	2-11% by mass
		Lime Saturation Factor	SLS 107: Part-2: 2008	0.66- 1.02
02	Cement (Portland Pozzolana Cement)	Sulphur tri Oxide	SLS 107: Part – 2: 2008	0.2 - 5 % by mass
		Total Chlorides	SLS 107: Part – 2: 2008	0.01 – 0.2 % by mass

SI No:	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
<b>Field of testing:</b> Mechanical		<b>Product groups:</b> Cement & Concrete		
01	Cement (Ordinary Portland Cement, Portland Pozzolana Cement)	Fineness (Blaines)	SLS 107: Part – 2: 2008	1000 - 5000 cm <sup>2</sup> / g
		Initial Setting Time	SLS 107: Part – 2: 2008	05 – 600 min
		Soundness by Le-Chatelier Expansion	SLS 107: Part – 2: 2008	0.1 - 15 mm
		Soundness by Autoclave Expansion	SLS 107: Part – 2: 2008	0.01 – 1.00 %
		2 days Compressive Strength	SLS ISO 679: 2008	6 - 75 N/ mm <sup>2</sup>
		28 days Compressive Strength	SLS ISO 679: 2008	6 - 75 N/ mm <sup>2</sup>
		Standard Consistency	SLS 107: Part – 2: 2008	20 - 35
02	Concrete	Compressive Strength	SLS 1144: Part -2 : 1996	10 - 70 N/ mm <sup>2</sup>

Director /CEO  
Sri Lanka Accreditation Board for Conformity Assessment