



Valid from 19 November 2016
till 18 November 2019
Issued on 20 March 2017

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



ISO/ IEC 17025
TL 004-03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 004-03

Materials Laboratory
Industrial Technology Institute
No 363, Bauddhaloka Mawatha
Colombo 07.

Scope of Accreditation: Performing Chemical Testing on Ceramic and Porcelain ware
and Mechanical Testing on Rubber Products and Cement
as per the test methods appearing in this schedule

The laboratory is accredited for the following tests.

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
Chemical Testing				
10	Ceramic and Porcelain ware	Lead	SLS 1222: 2001 ISO 6486 : 1999	0.2 – 20 mg / L
11		Cadmium	SLS 1222: 2001 ISO 6486 : 1999	0.02 – 1.8 mg / L

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
Mechanical Testing				
01	Rubber Products	Shore A Hardness	ISO 7619-1 : 2001 BS 903 A 26:1995	40 – 89 shore A
02		IRHD Hardness	ISO 48 : 2007 BS 903 A 57: 1997	30 – 85 IRHD
03		Heat Aging	ISO 188 : 2007 BS 903 A 19 :1998	Method B 23 °C ± 1°C,70 °C ± 1°C 85 °C ± 1°C,100 °C ±1°C
04		Stress Relaxation	ISO 3384 : 2005 BS 903 A 42 : 1999	Method A & B , Cylindrical disc 25 % Compression
05		Density	ISO 2781 : 2008 BS 903 A 1 : 1996	
06		Compression	ISO 815 : 2014 BS 903 A 6 : 1992	Type B, 25 % Compression 23 °C ± 1°C,70 °C ± 1°C 85 °C ± 1°C,100 °C ± 1°C
07		Abrasion	ISO 4649 : 2002 BS 903 A 9 : 1988 DIN 53516: 1987	Cylindrical Test Piece Non rotating, Vertical load 10 ± 0.2 N
08		Tensile Test	ISO 37 : 2005 BS 903 A 2 : 1995	10 N to 500 N Dumb –bell,500mm/min
09		Tensile Properties (Elongation)	ISO 37 : 2005 BS 903 A 2 : 1995	1 % to 1000 % 500 mm / min
10	Cement	Compressive strength (2 days)	SLS 107:2015 SLS/ISO 679:2011	7-35 Nmm ⁻²
11		Compressive strength (28 days)		25-70 Nmm ⁻²
12		Setting time	SLS 107:2015 SLS/ISO 9597:2011	20-300 min
13		Soundness		0 – 20 mm