



Valid until 18 November 2013
Issued on 16 December 2010

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 Mechanical Testing on Rubber Products and Chemical Testing on Ceramic & Porcelain ware as per the Test Methods appearing in this schedule.

The laboratory is accredited for the following tests.

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±) (%)
Chemical Testing					
01	Ceramic and Porcelain ware	Lead	SLS 1222: 2001 ISO 6486 : 1999	0.2 – 20 mg / l	6
		Cadmium	SLS 1222: 2001 ISO 6486 : 1999	0.02 – 1.8 mg / l	6

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±) (%)
Mechanical Testing					
02	Rubber Products	Shore A Hardness	ISO 7619-1 : 2010 BS 903 A 26:1995	40 – 89 shore A	2.40
		IRHD Hardness	ISO 48 : 2010 BS 903 A 57: 1997	30 – 85 IRHD	2.65
		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	1.68
		Density	ISO 2781 : 2008 BS 903 A 1 : 1996	Method & only	0.67
		Compression	ISO 815 : 2008 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	0.10
		Abrasion	ISO 4649 : 2002 BS 903 A 9 : 1988 DIN 53516: 1987	Cylindrical Test Piece Non rotating, Vertical load 10 ± 0.2 N	1.68
		Tensile Test	ISO 37 : 2005 BS 903 A 2 : 1995	10 n to 500 N Dumb –bell,500mm/min	5.98
		Tensile Properties (Elongation)	ISO 37 : 2005 BS 903 A 2 : 1995	1 % to 1000 % 500 mm / min	3.02

Acting Director /CEO
Sri Lanka Accreditation Board for Conformity Assessment