Laboratory	**LPG Equipment Research Centre, Dooravaninagar, Bangalore, Karnataka**	
Accreditation Standard	**ISO/IEC 17025: 2005**	
Discipline	**Chemical Testing**	**Issue Date 24.05.2014**
Certificate Number	**T-2188**	**Valid Until 23.05.2016**
Last Amended on	**-**	**Page 1 of 2**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. METALS & ALLOYS				
1.	**Carbon & low Alloy steel**	Carbon Silicon Manganese Phosporous Sulphur Aluminium Nitrogen	ASTM E 415-2008	0.02% to 0.16% 0.05% to 0.35% 0.1% to 1.0% 0.005% to 0.05% 0.005% to 0.05% 0.01% to 0.06% 0.003% to 0.015%
2.	**Brass sample for SC Valves**	Copper Lead Manganese Iron Zinc	LERC defined procedure STM-B01 (Issue dt.28.02.2012)	50% to 70% 0.05% to 2.0% 0.05% to 0.95% 0.05% to 0.3% 30% to 48%
3.	**Zamac Alloy for Regulators**	Aluminum Copper Lead Magnesium Iron Cadmium Nickel Tin Zinc	LERC defined Procedure STM-Z01 (Issue dt.28.02.2012)	3.0% to 5.0% 0.5% to 1.8% 0.003% to 0.010% 0.01% to 0.07% 0.005% to 0.1% 0.001% to 0.010% 0.005% to 0.010% 0.001% to 0.003% 92% to 98%

Ruchi Guntuku
Accreditation Officer-I

Manoj Kumar Tiwari
Technical Manager

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II. RUBBER & SYNTHETIC RUBBER				
1.	**Rubber & Synthetic Rubber**	Resistance of Lining to N-Pentane	IS 9573-2012	0.001 gm to 300 gm
		Resistance to Ozone	IS 9573-2012	25 to 250 pphm
2.	**Nitrile, Poly Vinyl Chloride, NBR**	Identification (By Infra red Spectrometer)	ISO 4650-2012	Qualitative
III. PLASTICS AND RESINS				
1.	**Nylon, Polyacetal, PVC**	Identification (By Infra red Spectrometer)	ASTM E 1252, RAPRA (by FTIR)	Qualitative

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