



NABL

Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory	Alchemie Gases & Chemicals Pvt. Ltd., Thane	Issue Date	23.04.2010
Accreditation Standard	ISO/IEC 17025: 2005	Valid Until	22.04.2012
Field	Chemical Testing	Page	1 of 2
Certificate Number	T-1754		
Last Amended on	-		

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
1	Natural Gas Mixture	Nitrogen	Based on ISO 6974 By Gas Chromatograph Method. ISO 6143-2001 Comparison methods for determination & checking the composition of calibration gas mixture.	0.1 to 12%
		Carbon Dioxide		0.05 to 8%
		Methane		64 to 100%
		Ethane		0.1 to 14%
		Propane		0.05 to 8%
		Iso-Butane		0.01 to 1.2%
		N-Butane		0.01 to 1.2%
		Neo-Pentane		0.005 to 0.50%
		Iso-Pentane		0.005 to 0.50%
		N-Pentane		0.005 to 0.50%
		N-Hexane	0.0001 to 0.50%	
		2,2-Dimethylbutane	Based on ISO 23874:2006 By Gas Chromatograph Method. ISO 6143-2001 Comparison methods for determination & checking the composition of calibration gas mixture.	0.0001 to 0.10%
		Cyclo pentane		0.0001 to 0.10%
		2-Methylpentane		0.0001 to 0.10%
		3-Methylpentane		0.0001 to 0.10%
		N-Hexane		0.0001 to 0.50%
		Benzene		0.0001 to 0.10%
Cyclohexane	0.0001 to 0.10%			
N-Heptane	0.0001 to 0.10%			


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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Toluene			0.0001 to 0.10%
	Methylcyclohexane			0.0001 to 0.10%
	N-Octane			0.0001 to 0.05%
	N-Nonane			0.0001 to 0.02%
	N-Decane			0.0001 to 0.005%
	Net Calorific Value Gross Calorific Value Relative Density Gas Density Wobbe Index		ISO 6976:1995	Calculation of Physical properties
	Net Heating value Gross Heating Value Net Dry BTU Gross Dry BTU		ASTM D 3588 : 98	Calculation of Physical properties

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