



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

### CERTIFICATE OF ACCREDITATION

## ALCHEMIE GASES & CHEMICALS PVT. LTD.

has been assessed and accredited in accordance with the standard

### ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

T-112, MIDC, Tarapur, Thane, Maharashtra

in the discipline of

### CHEMICAL TESTING

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Certificate Number T-1754

Issue Date 23/04/2014



Valid Until 22/04/2016

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

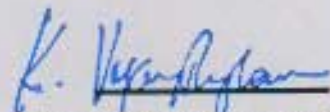
Signed for and on behalf of NABL



John Varughese  
Convenor



Anil Relia  
Director



Prof. K VijayRaghavan  
Chairman



# रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन  
प्रयोगशाला प्रत्यायन बोर्ड  
विज्ञान एवं प्रौद्योगिकी विभाग, भारत

प्रत्यायन प्रमाण-पत्र

एलकेमी गैसेस् एंड केमिकल्स प्रा. लि.

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

थाने, महाराष्ट्र

में स्थित इसकी सुविधाओं के लिए

रासायनिक परीक्षण

के विषय क्षेत्र में किया गया।

(इस प्रयोगशाला के प्रत्यायन के विषय क्षेत्र की जानकारी एन ए बी एल वेबसाइट [www.nabl-india.org](http://www.nabl-india.org) से भी प्राप्त कर सकते हैं।)

प्रमाण-पत्र संख्या प-1754

जारी करने की तिथि 23/04/2014



वैधता की तिथि 22/04/2016

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

जॉन वरगीस

जॉन वरगीस  
संयोजक

अनिल रेलिया

अनिल रेलिया  
निदेशक

के. विजयराघवन

प्रो. के. विजयराघवन  
अध्यक्ष





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**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	Alchemie Gases & Chemicals Pvt. Ltd., T-112, MIDC, Tarapur, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	23.04.2014
Certificate Number	T-1754	Valid Until	22.04.2016
Last Amended on	-	Page	1 of 3

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
1.	<b>PETROLEUM PRODUCTS</b>			
1.	Natural Gas Mixture Upto C6	Nitrogen	ISO 6974-1 : 2012	0.1 to 12%
		Carbon Dioxide	ISO 6974-2 : 2012	0.05 to 8%
		Methane	IS 15130 (Part 5) : 2002 /	64 to 100%
		Ethane	ISO 6974-5 : 2000	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		0.005 to 0.50%	
2.	Natural Gas Mixture Upto C10	2,2-Dimethylbutane	ISO 23874:2006	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%
		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%	

*Rini Narayan*

Rini Narayan  
Accreditation Officer - I

*John Varughese*  
John Varughese  
Technical Manager

Convenor



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3.	Natural Gas Mixture	Net Calorific Value Gross Calorific Value Relative Density Gas Density Wobbe Index	IS 14504:1998 / ISO 6976:1995	Calculation of Physical properties
4.	Natural Gas Mixture	Net Heating value Gross Heating Value Net Dry BTU Gross Dry BTU	ASTM D 3588 : 98 (RA-2003)	Calculation of Physical properties
5.	Gas Mixture in Air / Nitrogen	Methane	In-house Method As per SOP AGCPL/QSP/27 (Issue No 01, Issue Date :11.05.2014.)	0.5 % to 2.6 %
		Propane	In-house Method As per SOP AGCPL/QSP/28 (Issue No 01, Issue Date :11.05.2014.)	0.2 % to 1.3 %
		Carbon Monoxide	In-house Method As per SOP AGCPL/QSP/29 (Issue No 01, Issue Date :11.05.2014.)	0.005 % to 0.5 %
		Oxygen	In-house Method As per SOP AGCPL/QSP/30 (Issue No 01, Issue Date :11.05.2014.)	17.0 % to 22.0 %

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		Helium	In-house Method As per SOP AGCPL/QSP/31 (Issue No 01, Issue Date :11.05.2014.)	8.0 % to 10.0 %
		Carbon Dioxide	In-house Method As per SOP AGCPL/QSP/32 (Issue No 01, Issue Date :11.05.2014.)	4.0 % to 8.0 %
		Nitric Oxide	In-house Method As per SOP AGCPL/QSP/33 (Issue No 01, Issue Date :11.05.2014.)	0.005 % to 0.1 %

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