



# NABL

**National Accreditation Board for  
Testing and Calibration Laboratories**  
Department of Science & Technology, India

## **CERTIFICATE OF ACCREDITATION**

**THERMAL INSULATION LAB OF ISOLLOYD ENGINEERING TECHNOLOGIES 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

Village Kishanpura, Baddi-Nalagarh Road, P. O. Gurumajra, Tehsil-Nalagarh, Distt. Solan, Himachal Pradesh

in the discipline of  
**MECHANICAL 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-1369

**Issue Date** 04/10/2012

**Valid Until** 03/10/2014

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

*Mallika*

Mallika Gope

Convenor

*Anil Relia*

Anil Relia

Director

*Dr. T. Ramasami*

Dr. T. Ramasami

Chairman



# रा.प्र.प्र.बो.

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

**प्रत्यायन प्रमाण-पत्र**

थर्मल इन्शुलेशन लैब ऑफ आयसोलॉयड इंजीनियरिंग टेक्नोलॉजीस् लिमिटेड

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”

सोलन, हिमाचल प्रदेश

में स्थित इसकी सुविधाओं के लिए

**यांत्रिक 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-1369

जारी करने की तिथि 04/10/2012

वैधता की तिथि 03/10/2014

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

मल्लिका गोप

मल्लिका गोप

संयोजक

अनिल रेलिया

अनिल रेलिया

निदेशक

डा. टी. रामसामी

डा. टी. रामसामी

अध्यक्ष



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	Thermal Insulation Lab of Isolloyd Engineering Technologies Ltd., Village Kishanpura, Baddi - Nalagarh Road, P.O. Gurumajra, Tehsil- Nalagarh, Distt. Solan, Himachal Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Testing	Issue Date	04.10.2012
Certificate Number	T-1369	Valid Until	03.10.2014
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
1	<b>THERMAL INSULATING MATERIAL</b>			
	1.1 Silica Sand 1.2 Alumina Sand 1.3 Zircon Sand	Sieve Analysis	IS 2386:1963 Part-1 Reaffirmed 2011	150 micron to 600 micron
	1.4 Ceramic Fibre and Products thereof 1.5 Rock Wool Slab	Bulk Density	IS 14656:1999 Reaffirmed 2010 IS 3144:1992 Reaffirmed 2011	Upto 1000 kg/m <sup>3</sup>
	1.6 Ceramic Fibre and Products thereof 1.7 Rock Wool Slab	Shot Content	IS 14656:1999 Reaffirmed 2010 / ASTM C1335-2012	30, 50 & 70 mesh
	1.8 Ceramic Fibre and Products thereof	Tensile Strength	IS 14656:1999 Reaffirmed 2010 / BS 1902-6:1986 Reaffirmed 2009	Upto 50 kg load
	1.9 Ceramic Fiber Vacuum Board (Rigid Cellular Material)	Compressive Strength At 10% Deformation At 25% Deformation	IS 11239:1985 Part-11 Reaffirmed 2008 / BS 4370-2:1993 Reaffirmed 2007	Upto 5000 kg load
	1.10 Ceramic Fiber Vacuum Board (Rigid Cellular Material)	Flexural Strength	IS 11239:1985 Part-10 Reaffirmed 2008	Upto 5000 kg load

*malika*

Convenor



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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
1.11	Ceramic Fibre and Products thereof	Fibre Diameter	IS 14656:1999 Reaffirmed 2010 /	Upto 100 micron
1.12	Rock Wool	Fibre Diameter	IS 3144:1992 Reaffirmed 2011	Upto 100 micron
2	<b>RIGID CELLULAR MATERIAL</b>			
2.1 MDI 2.2 Polyol	Specific Gravity	ASTM D 4669 Reaffirmed 1998	1 - 2	
2.3 Polyurethane Foam (PUF) 2.4 PIR	Density	IS 11239: 1985 Part 2 Reaffirmed 2006	0-500 kg/m <sup>3</sup>	
2.5 MDI 2.6 Polyol	Viscosity	ASTM D 4878: (03)/ ASTM D 4889 (04) Reaffirmed 2006	100-80000 cps	
2.7 Polyurethane Foam (PUF)	Compressive Strength	IS 11239: 1985 Part 11/ BS 4370 : 1988 Part -1 Reaffirmed 1996	Upto 5000 kg load (50 kN)	
2.8 Polyurethane Foam (PUF)	Flexural Strength or Cross Breaking Strength	IS 11239 : 1985 Part 10 / BS 4370 : 1991 Part -4 Reaffirmed 2008	Upto 5000 kg load	
2.9 Polyurethane Foam (PUF)	Tensile Strength	BS 4370: 1993 Part - 2 Reaffirmed 2007	Upto 5000 kg load	

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*Mallik*

Convenor