



NABL

National Accreditation Board for Testing and Calibration Laboratories

(An Autonomous Body under Department of Science & Technology, Govt. of India)

CERTIFICATE OF ACCREDITATION

SKC ENVIRON LAB 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

B-135, 8th Cross, Dyavasandra Industrial Estate, Whitefield Road, Mahadevpura, Bangalore, Karnataka

in the discipline of

ELECTRICAL TESTING

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

Certificate Number

T-3705

Issue Date

03/12/2015



Valid Until

02/12/2017

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

N. Venkateswaran
Program Manager

Anil Relia
Director

Prof. S. K. Joshi
Chairman



NABL

SCOPE OF ACCREDITATION

Laboratory SKC Environ Lab Pvt. Ltd., B-135, 8th Cross, Dyavasandra Industrial Estate, Whitefield Road, Mahadevpura, Bangalore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

Discipline Electrical Testing **Issue Date** 03.12.2015

Certificate Number T-3705 **Valid Until** 02.12.2017

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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
I. ENVIRONMENT TEST FACILITY				
1.	Electrical, Electro technical, Automotive Apparatus Including Sub-Assembles, Accessories and Components	Cold Test	IEC 60068-2-1: 2007 IEC 60068-2-14: 2009 IS 9000 (Part 2): 1977 (RA 2004) IS 9000 (Part 14): 1988 (RA 2003)	Ambient to (-)70 °C Average Rate of Change 5 °C / min Chamber size: (1200 mm x 1200 mm x 1200 mm)
		High Temperature	IEC 60068-2-2: 2007 IEC 60068-2-14: 2009 IS 9000 (Part 3): 1977 (RA 2004) IS 9000 (Part 14): 1988 (RA 2003) ISO 16750-4: 2010	Ambient to 200 °C Average Rate of Change 5 °C / min Chamber size: (1200 mm x 1200 mm x 1200 mm)
		Damp Heat	IEC 60068-2-78: 2012 IEC 60068-2-30: 2008 IEC 60068-2-67: 1995 IS 9000 (Part 4): 2008, IS 9000 (Part 5): 1981 (RA 2007) ISO 16750-4: 2010	40 % RH to 98 % RH 25 °C to 90 °C Chamber size Maximum: (1200 mm x 1200 mm x 1200 mm)
		Temperature Shock / Rapid Change of Temperature With Prescribed Time of Transfer	IS 9000 (Part 14/Sec I & Sec II): 1988 IEC 60068-2-14 (Tests Na & Nb): 2009	(-)70 °C to 190 °C Transfer time < 10 s Chamber size: (500 mm x 500 mm x 500 mm)
		Change of Temperature Test (Temperature Cycling Test)	IS 9000 (Part 14/Sec I & Sec II): 1988 IEC 60068-2-14(Tests Nb): 2009 ISO 16750-4: 2010	(-)70 °C to 200 °C 40 % RH to 98 % RH 25 °C to 90 °C Average Rate of Change 5 °C / min Chamber size: (1200 mm x 1200 mm x 1200 mm)

Sachin

Sachin Tomar
Convenor

N. Venkateswaran

N. Venkateswaran
Program Manager



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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
	Electrical, Electro technical, Automotive Apparatus Including Sub-Assemblies, Accessories and Components	Salt Spray	JIS Z 2371: 1994 IEC 60068-2-11: 1981 IEC 60068-2-52: 1996 IS 9000 (Part 11): 1983 (RA 2004)	Ambient to 50 °C
		Bump Test	IS 9000-7-1(Sec II to Sec IV): 2006	Peak Acceleration level Vertical: 97 g, 2 ms Horizontal: 65 g, 2 ms
		Shock	IS 9000 (Part 7/Sec I) IEC 60068-2-27: 2008	Peak Acceleration level Vertical: 97 g, 2 ms Horizontal: 65 g, 2 ms (Half sine, Half sine, rectangular, Trapezoidal saw tooth)
	Vibration (Sine, Random & Mixed)	Sine: IS 9000 (Part 8) (RA 2003) IEC 60068-2-6: 2007 JSS 55555: 2000 Rev. 1 JSS 50101: 1996 (RA 2001) JIS D1601: 1995 Random: IEC 60068-2-64: 2008 IEC 61373: 2010 Mixed Mode: IEC 60068-2-80 (Part 2): 80	Rated Force: 1100 kgf (peak Sine) 1100 kgf (rms) Random Frequency: 5 Hz to 3000 Hz Max Displacement: 46 mm (pk-pk) Max. Accel: 100 g (pk) Bare Table Velocity: 2 m/s (max) PSD: 50 g	

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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
	Electrical, Electro technical, Automotive Apparatus Including Sub-Assemblies, Accessories and Components	Combined Temperature and Vibration Test	ISO 16750-3: 2012	Rated Force: 1100 kgf (peak Sine) 1100 kgf (rms) Random Frequency: 5 Hz to 3000 Hz Max Displacement: 46 mm (pk-pk) Max. Accl: 100 g (pk) Bare Table, Velocity: 2 m/s (max) , PSD: 50 g Temperature (-)70 °C to (+)200 °C Average Rate of Change 5 °C / min 40 % RH to 98 % RH for 40 °C to 90 °C Chamber Size: (1200 mm x 1200 mm x 1200 mm)

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