

Laboratory	Alpha Test House, M-577, Guru Harkrishan Nagar, Paschim Vihar, New Delhi		
	Location 1: M-577, Guru Harkrishan Nagar, Paschim Vihar, New Delhi		
	Location 2: National Market Peeragarhi, New Delhi		
	Location 3: 487/25, Peeragarhi, New Delhi		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electronics Testing	Issue Date	08.12.2014
Certificate Number	T-3235	Valid Until	07.12.2016
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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
Location 3				
I.	SAFETY TESTING			
1.	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 25 Microwave Ovens	Rating	IS 302-2-25: 1994 (Clause No. 5)	(Visual Examination)
		Classification	IS 302-2-25: 1994 (Clause No. 6)	(Visual Examination)
		Marking	IS 302-2-25: 1994 (Clause No. 7)	(Visual Examination)
		Protection against Electric Shock	IS 302-2-25: 1994 (Clause No. 8)	Upto 99.9 V LC: 0.1 V
		Input And Current	IS 302-2-25: 1994 (Clause No. 10)	Upto 5000 W LC: 1 W Upto 600 V LC: 0.1 V Upto 25 A LC: 0.01 A
		Temperature Rise	IS 302-2-25: 1994 (Clause No. 11)	0 to 400 °C LC: 1 °C 20 mΩ to 2 kΩ
		Electrical Insulation And leakage at operating Temperature.	IS 302-2-25: 1994 (Clause No. 13)	Upto 5 kV LC: 0.1 kV Upto 250 mA LC: 5 mA Upto 20 mA LC: 1 mA

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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
	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 25 Microwave Ovens	Moisture Resistance	IS 302-2-25: 1994 (Clause No. 15)	Ambient – 98 % RH LC: 0.1 % RH Ambient – 50 °C LC: 0.1 °C
		Insulation Resistance and Electric strength (After Humidity Treatment)	IS 302-2-25: 1994 (Clause No. 16)	Upto 5 kV LC: 0.1 kV Upto 250 mA LC: 5 mA Upto 20mA LC: 1 mA
		Mechanical Strength	IS 302-2-25: 1994 (Clause No. 21)	Spring hammer (0.5 J) 0 to 300 N LC: 1 N
		Construction	IS 302-2-25: 1994 (Clause No. 22)	Upto 300 N LC: 1 N Upto 60 min LC: 0.01 Sec Upto 99.9 W/m ² LC: 0.1 W/m ²
		Internal Wiring	IS 302-2-25: 1994 (Clause No. 23)	Upto 25 mm LC: 0.001 mm Upto 150 mm LC: 0.01 mm Upto 5 kV LC: 0.1 kV Upto 100 mA LC: 5 mA

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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
	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 25 Microwave Ovens	Provision For Earthing	IS 302-2-25: 1994 (Clause No. 27)	Upto 99.9 V LC: 0.1 V Upto 30 A LC: 0.1 A
		Creepage Distances and Clearances	IS 302-2-25: 1994 (Clause No. 29)	Upto 25 mm LC: 0.001 mm Upto 150 mm LC: 0.01 mm Upto 1 mm
		Resistance To Heat and Fire and Tracking	IS 302-2-25: 1994 (Clause No. 30)	0 to 400 °C LC: 1 °C 20 N 0 to 1000 °C LC: 1 °C Upto 600 V LC: 0.1 V Upto 30 A LC: 0.01 A
2.	Safety Of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 26 Clocks	Rating	IS 302-2-26: 2014 (Clause No. 5)	(Visual Examination)
		Classification	IS 302-2-26: 2014 (Clause No. 6)	(Visual Examination)
		Marking	IS 302-2-26: 2014 (Clause No. 7)	(Visual Examination)
		Protection against Electric Shock	IS 302-2-26: 2014 (Clause No. 8)	0 to 99.9V LC: 0.1 V
		Temperature Rise	IS 302-2-26: 2014 (Clause No. 11)	0 to 400 °C LC: 1 °C 20 mΩ to 2 kΩ

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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
	Safety Of Household And Similar Electrical Appliances Part 2 Particular Requirements Section 26 Clocks	Electrical Insulation And leakage at operating Temperature.	IS 302-2-26: 2014 (Clause No. 13)	Upto 5 kV LC: 0.1kV Upto 250 mA LC: 5 mA Upto 20 mA LC: 1 mA
		Moisture Resistance	IS 302-2-26: 2014 (Clause No. 15)	Ambient – 98 % RH LC: 0.1 % RH, Ambient - 50°C LC : 0.1°C
		Insulation Resistance and Electric strength (After Humidity Treatment)	IS 302-2-26: 2014 (Clause No. 16)	Upto 5kV LC: 0.1kV Upto 250 mA LC: 5 mA Upto 20 mA LC: 1 mA
		Stability And Mechanical Hazards	IS 302-2-26: 2014 (Clause No. 20)	Inclined plane 10 and 15
		Mechanical Strength	IS 302-2-26: 2014(Clause No. 21)	Spring hammer (0.5 J)
		Construction	IS 302-2-26: 2014(Clause No. 22)	Upto 300 N LC: 1 N Upto 60min LC: 0.01 Sec

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	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 26 Clocks	Internal Wiring	IS 302-2-26: 2014 (Clause No. 23)	Upto 25 mm LC: 0.001 mm Upto 150 mm LC: 0.01 mm Upto 5 kV LC: 0.1 kV Upto 100 mA LC: 5 mA
		Provision For Earthing	IS 302-2-26: 2014 (Clause No. 27)	Upto 99.9 V LC: 0.1 V Upto 30 A LC: 0.1A
		Screws and Connections	IS 302-2-26: 2014 (Clause No. 28)	Upto 25 mm LC: 0.001 mm Upto 150 mm LC: 0.01 mm 20 cNm to 120 cNm LC: 10cNm
		Creepage Distances and Clearances	IS 302-2-26: 2014 (Clause No. 29)	Upto 25 mm LC: 0.001 mm Upto 150 mm LC: 0.01 mm Upto 1 mm

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	Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 26 Clocks	Resistance To Heat and Fire and Tracking	IS 302-2-26: 2014 (Clause No. 30)	0 to 400 °C LC: 1 °C 20 N 0 to 1000 °C LC: 1 °C 0 to 600 V LC: 0.1 V Upto 30 A LC: 0.01 A

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