

Laboratory HEPA Filter Testing Laboratory, RSD/IGCAR/DAE, Kalpakkam,
 Kanchipuram District, Tamil Nadu
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number TC-5276 (*in lieu of T-2395*) **Page 1 of 1**
Validity 23.02.2017 to 22.02.2019 **Last Amended on** 17.03.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	PERFORMANCE / DURABILITY / SAFETY TEST			
1.	HEPA Filter	Air -Borne Particulate Matter	ISO 14644 -3:2005	1count/m ³ to 35200000 counts/m ³ for 0.3 µm to 5µm
		Air Velocity	ISO 14644 -3:2005	0.25m/s to 20m/s
		Filter integrity	ISO 14644 -3:2005	0.0001% to 0.03%
		Efficiency testing of Individual HEPA filters	IAEA Technical Reports Series No.122 : 1970 (Ch.6) EN1822:2009	Upto 99.9999% for 0.3 µm particles
2.	HEPA Filter Banks	Efficiency testing of HEPA filter assembly	IAEA Technical Reports Series No.122:1970 (Ch.6)	Upto 99.999% for 0.5 µm particles
3.	Iodine Filter Bank	Efficiency testing of Iodine filter assembly	IAEA Technical Report Series No. 243 (Ch.3)	Upto 99.999% for Iodine-131

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