

# TEST REPORT

Report No: AWRCL14738-14739/18-19

Date: 21.09.2018

Customer details	Sample details
Name & Address :  M/s Eco fresh carbon Tuticorin Tamil Nadu	Sample received: 06.09.2018
	Sample code no:- AWRCL/4738-14739 /18-19
	Sample Description :Granular activated carbon
	No of Sample : 2Nos
	Submitted By : M/s Eco fresh carbon
	Date of Analysis Started : 11.09.2018
	Date of Analysis Completed : 20.09.2018
	Subcontract : Yes for BET test
Condition of Sample when received: Intact.	


## TEST DATA

SNO	Parameters	TEST RESULT		Test Method	Manufacturer's specification for carbon
		AWRCL/14738 18-19 GAC 8*16 Batch no: Grade A	AWRCL/14739/18-19GAC 8*16 Batch no: Grade B		
1	Moisture% by weight	1.02	1.42	IS:877/ 1989 (Reaffirmed 1999 ) Activated Carbons, powdered and Granular- Methods of sampling and test	3% Maximum
2	Ash % by weight	1.83	2.01		3% Maximum
3	pH of Water extract	9.79	9.90		9-11
4	Hardness	99.86	99.90		98 Minimum
5	Copper as Cu ppm	0.48	0.54	Laboratory Validated method	<20 ppm
6	Zinc as Zn ppm	0.65	0.60		<20 ppm
7	Granular size ASTM	+8=1.21 +10=15.21 +12=38.36 +14=30.53 +16=12.92 -16=2.67	+8=1.89 +10=18.96 +12=32.10 +14=26.66 +16=16.61 -16=4.29	IS:877/ 1989 (Reaffirmed 1999 )	8*16 +8=5%Maximum - 16=5%Maximum
8	Iodine number mg/gr	1224	1226	ASTM D 4607 – 94 ( Re approved 199)	1200 minimum
9	BET Surface area m <sup>2</sup> /gr	1257.38	1226.40	ASAP 2020 Micromeritics	1200 minimum
10	Apparent Density gr/cc	0.50	0.51	ASTM 2854	0.48 ±0.03

Composite sample of 5 bags for each grade.

**INTERPRETATION:** Tested Parameters meet manufacturer's specifications for the above tested parameters

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Head - Laboratory

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Note:

- The results pertain only to the tested samples and applicable parameters.
- Samples will be disposed after 15 days from the issue of test certificate unless otherwise specified, in case of bacteriological tests, the samples will be disposed after 7 days itself from the date of issuing the certificate.
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