IAPMO INDIA PRIVATE LIMITED	Document No.	IAPMO/ILAB/TR/02
	Test Report No.	IAPMO/ILAB/20529/25-26
	Date	25.09.2025
	Revision No.	01
	Reference	NSF/ANSI – 42: 2023

TEST REPORT

CUSTOMER DETAILS	SAMPLE DETAILS	TEST DETAILS
Name & Address: **Mr. Abdul Azim** **RFT C/O KAJAH MARKETING COMPANY** Pallapatty village, Madurai Trichy Highway, Kottampatti, Madurai District - 625103, Tamil Nadu	Submitted By: **RFT C/O KAJAH MARKETING** Sample Code No.: IAPMO/ILAB/20529/25-26 Sample Description: Carbon Block Sample Received Date: 12.08.2025 Date Of Analysis Started: 13.08.2025 Date Of Analysis Completed: 30.09.2025 Sample Quantity for Testing: 1 No. Sample Condition When Received: Intact	**Protocol:** Testing as per NSF/ANSI – 42: 2023 Chloramine Reduction and as per customer's requirement.

CUSTOMER CODE: **Block Type: IAPMO-22%**

EXECUTIVE SUMMARY:

RFT C/O KAJAH MARKETING COMPANY submitted a carbon block for chloramine reduction testing in accordance with NSF/ANSI 42 standards. As per the customer's protocol, the flow rate was set to 2 LPM and the pressure to 60 psi, with samples collected and analysed at every 1,000 Liters for a total test volume of 15,000 Liters. The evaluation was conducted by adjusting the Total Dissolved Solids (TDS) to 250 ppm and raising the pH to 9 using sodium hydroxide (NaOH).
The results consistently indicated chloramine reduction across all sampling points for the tested system.

CONCLUSION:

The tested carbon block meets the Chloramine reduction for the requirements as specified by NSF/ANSI-42: 2023 standard.

Contaminant	Average influent challenge concentration	Percent reduction requirement
Chloramine	3.0 mg/L ± 10%	≥ 80.0%

AIM OF THE EXPERIMENT:

The primary aim of this evaluation was to assess the performance of the carbon filters in reducing the Chloramine reduction accordance with the **NSF/ANSI – 42** standards.

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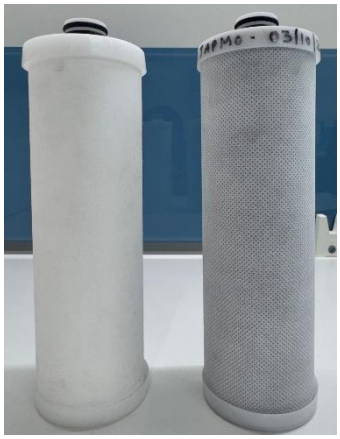
FEED WATER COMPOSITION

Test parameters	Maintained concentration during the test
pH	9 ± 0.2
TDS (ppm)	250 ± 10%
Turbidity (NTU)	<1
Temperature (°C)	25

TEST DATA:

Volume (L)	Feed Chloramine (mg/L)	Output Chloramine (mg/L)	% Reduction	Flowrate (LPM)
Initial	3.22	0.1	96.89	2.064
1000	2.94	0.1	96.60	2.011
2000	2.67	0.1	96.25	1.987
3000	3.10	0.1	96.77	2.011
4000	3.32	0.1	96.99	2.034
5000	2.94	0.1	96.60	2.021
6000	2.94	0.1	96.60	2.115
7000	2.80	0.1	96.43	2.122
8000	3.10	0.1	96.77	1.976
9000	2.80	0.1	96.43	1.988
10000	2.80	0.1	96.43	1.957
11000	2.94	0.1	96.60	1.886
12000	2.94	0.1	96.60	1.865
13000	3.10	0.1	96.77	1.850
14000	2.80	0.1	96.43	1.742
15000	2.90	0.1	96.55	1.691

PICTURE OF THE PRODUCT



Reviewed & Issued By

Mukthesh Pathi
Vice President - Laboratory

---END OF THE TEST REPORT---