SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi – 110007 (India)
An ISO - 9001, 14001 & 45001 Certified Institute

Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org
qad@shriraminstitute.org

TEST REPORT

NO : C1/0000396239

Issued To :
Client Code : (NDLS01D1999)
DETOXYFI TECHNOLOGIES PRIVATE LIMITED,
B-5/73, G/F, SAFDAR JUNG
ENCLAVE,
NEW DELHI
DELHI-110029
Kind Attn: DR. ASHWINI KUMAR
MOHAPATRA,RESEARCH AND DEVELOPMENT
SCIENTIST

Date of issue	: 09-06-2025
Job No	: 2505-1-111-2305
Booking No	: RG2526/1/1827
Booking Date	: 27-05-2025
Customer Ref No.	: EMAIL
Customer Ref Dt.	: 27-05-2025
Location	: Laboratory

Sample Particulars:

Sample of JAL KAVACH pure water tap filter was received.

"The sample details provided in test report are based on declaration by the customer."

Job No.: 2505-1-111-2305

Discipline: Biological

Group & Subgroup: Water (water purifier)

a)Microbiological quality evaluation as Microbial Rejection Test

Product Details : JAL KAVACH pure water tap filter

Protocol : As per guidelines of IS 16240: 2023

Test Organism : *Escherichia coli* (ATCC- 10536)

TEST RESULTS

S.No.	Input Load, cfu/ml	Output Load, cfu/ml	Log Reduction	Percent (%) Reduction
1	2.1×10^6	<1	6.32	99.9999

Computational formula:

$\text{Log}_{10}\text{reduction} = \text{Log}_{10}\text{ (Input)} - \text{Log}_{10}\text{ (Output)}$

Input Load

Interpretation: The microbiological quality of water pass through submitted sample was found 99.9999 % efficient against *Escherichia coli* .Hence outlet water from tested filter is found to be fit for drinking purpose with respect to above microbiological test parameter.

Reviewed and Authorized by
EMPLOYEE CODE:(5419)

Note: The results relate only to the items tested / calibrated above.
Scanned copies/photocopies or any other copies should be authenticated by reference to the original report.

Phone : 91-11-35200445, 35200449 Fax : 91-11-35200455

See overleaf for terms & conditions

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b) Chemical Quality Evaluation

S. No.	Tests	Results		Protocol
		Input Water	Water after filtration	
1	Turbidity, NTU	4.8	0.2	IS: 3025 (P-10) 2023
2	Colour, Hazen Units	10	<2	IS: 3025 (P-4) 2021
3	Total Dissoolved Solids, mg/L	490	486	IS: 3025 (P-16) 2023
4	pH	6.8	6.8	IS:3025 (P-11) 2022

Remark: The results as mentioned above specify the concentration of parameters in filtered water obtained by instantly passing the raw (contaminated) water through a given filter under natural gravity, regular tap flow conditions. This is not a validation report of the water filter indicating the uptake capacity of stated contaminants (parameters). The reported results are valid under the stated conditions.

End of Report

Date of Receipt 27.05.2025
Date of Start 31.05.2025
Date of Completion 09.06.2025

Reviewed and Authorized by
EMPLOYEE CODE:(5419)

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