

TEST REPORT

Report No: AWRCL/PRTR/ 18182/20-21

Date: 30.01.2021

| CUSTOMER DETAILS | SAMPLE DETAILS | TEST DETAILS |
|---|---|--|
| Name & Address Kind Attn: Ms. Mittal Panchal M/s Bio Tech Industries B-51, Bileshwar Estate, Nr.S.P.Ring Road, Opp.G.V.M.M.Odhav, Ahmadabad-382415 Mob: 7574030210/ 7574879100 | Sample received: 18.01.2021 | Method: As agreed between the Testing Laboratory and the customer |
| | Sample code no: AWRCL/18182 /20-21 | |
| | Sample Description: UF Hollow Fiber Membrane | |
| | Sample Quantity for Testing: 1No | |
| | Submitted by: M/s Bio Tech Industries | |
| | Date of Analysis started : 27.01.2021 | |
| | Date of Analysis Completed : 29.01.2021 | |
| Subcontract : Not Applicable | Sample condition when received: Intact | |

TEST DATA: Microbial reduction at 1.0 Kg/Cm² Input water pressure

| Test organism | AWRCL/18182 /20-21 UF Filter (Sample A) Flow rate: 750 ml/min | | | Specification for % Reduction USEPA |
|---|---|--|-----------------|-------------------------------------|
| | Input water microbial count | Output water microbial count | % Reduction | |
| E.coli MTCC 68 (bacterium) | 6.0 x 10⁵ CfU/ml | No viable colony forming units / 100 ml | ≥99.9999 | 99.9999% Bacteria |
| MS2 Phage-ATCC 15597B1 (Bacteriophage – surrogate virus) | 7.0 x 10⁴ Pfu/ml | 11pfu/ml | 99.984 | 99.99% Virus |
| 3 micron Microspheres (artificial cysts) | 1.0 x 10⁷ Spheres /L | <160 Spheres /L | ≥99.998 | 99.9% Cyst |

CFU: Colony forming units. PFU: Plaque forming units. USEPA : United States Environmental Protection agency
Samples were taken after 50L of filtration. <160 spheres/L = Below detection Limit

General test water Composition: pH-7.42, Total Dissolved Solids : 289 mg/L, Turbidity: 1.1NTU, Total Organic Carbon : 1.0 mg/L ; Temperature: 23 °C.

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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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Analysis:

pH : APHA 23rd edn 4500 H+B

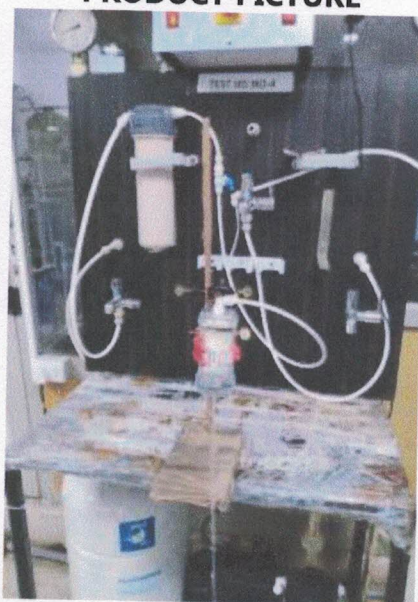
Total Dissolved Solids : Calibrated TDS meter

Turbidity: APHA 23rd edn 2130 B

Total Organic Carbon : HACH DR 2800 Spectrophotometer

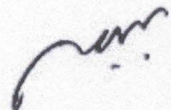
Temperature: Calibrated thermometer

PRODUCT PICTURE



UF Filter Sample A

**5 micron nominal sediment filter was added before UF cartridge to prevent premature choking.
Influent water sampling was done after sediment filter.**


Dr S.MURALIDHARA RAO
Head – Laboratory

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00-----End of the Test Report -----00

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