

AQUADIAGNOSTICS



Water Research & Technology Centre

RECOGNIZED BY WATER QUALITY ASSOCIATION – USA , NABL ACCREDITED LABORATORY

TEST REPORT

Report No: **AWRTCL/ 8216 A/15 - 16**

Date: **08.06.2015**

CUSTOMER DETAILS	SAMPLE DETAILS
Kind Attn: Dr. Christoph Kellenberger novamem ltd Vladimir-Prelog-Weg 1 HCI E 113 8093 Zürich Switzerland	Sample received: 11.05.2015
	Sample code no:- AWRTCL/8216A/ 15-16
	Sample Description: Drink Pure Cartridge
	Sample Quantity for Testing: 1 No.
	Submitted by: Novamem Ltd
	Date of Analysis started : 14.05.2015
	Date of Analysis Completed: 08.06.2015
	Subcontract : NA
Sample condition when received : Intact	

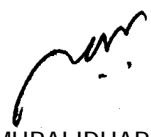
TEST DATA :

VOLUME OF WATER PASSED (Lit)	Input water E.Coli counts	Output water E.Coli counts	% Reduction	Input Water MS2 phage counts	Output Water MS2 phage counts	% Reduction
Initial	2 x 10⁵ cfu /ml	No viable counts/100ml	>99.9999 > 6 logs	3 x 10⁴ pfu / ml	19 pfu / 0.1 ml	99.36
50 Lit	2 x 10⁵ cfu /ml	No viable counts/100ml	>99.9999 > 6 logs	2 x 10⁴ pfu / ml	16 pfu / 0.1 ml	99.20
100 Lit	2 x 10⁵ cfu /ml	No viable counts/100ml	>99.9999 > 6 logs	2 x 10⁴ pfu / ml	21 pfu / 0.1 ml	98.95

Overall tank filtration time for 9 lit : 1hr – 22 min.

First fraction Flow rate (tank is full) : 150ml / min. Initially

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Dr S.MURALIDHARA RAO
Head - Laboratory

WE UNDER TAKE ANALYTICAL JOBS FOR WATER, FOOD, BIOCIDAL RESINS, DETERGENTS & SANITIZERS AND SOIL. WE CARRY OUT PERFORMANCE EVALUATION OF DRINKING WATER TREATMENT UNITS AS PER NSF/ANSI SPECIFICATIONS. BASED ON PERFORMANCE WE CAN ARRANGE FOR GOLD SEAL CERTIFICATION FROM WQA - USA

Note:

1. The Results pertain only to the tested samples and applicable parameters.
2. 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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4. In case, any reconfirmation of contents of this certificate is required please contact our office.

Mailing Address:

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NOTE : After 100 lit of filtration , 20 more Liters were filtered, the cartridge was choked. We gave back flush with bellow pump, pressurization in the reverse flow. The cartridge flow did not improve. Hence the tests were suspended.

INFERENCE : Tested Factory made cartridge is capable reducing E.Coli bacteria to > 99.9999 (6 logs) and MS2 phage Virus to about 99 % (2 logs). E.Coli reduction is meeting USEPA requirement i.e. 6 logs, but the virus reduction is lower than the requirement i.e. 4 logs.



Drink Pure Cartridge Picture.

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