

**TEST REPORT**

Report No: AWR TCL/13983/ 17-18

Date: 17.04.2018

Customer details	Sample details
Name & Address : Kind Attn Le Thu Cao Laboratory manager Life Straw Vietnam	Sample received: 29.03.2018
	Sample code no:- AWR TCL/13983 / 17-18
	Sample Description : Life Straw Go- 2stage
	No of Samples for Testing: 1 No.
	Submitted By : Life Straw, Vietnam
	Date of Analysis Started : 17.04.2018
	Date of Analysis Completed : 17.04.2018
	Subcontract : Not Applicable
Condition of Sample when received: Intact.	

TEST DATA: 1 micron plastic microsphere reduction at 800 ml/min Flow rate

Volume of Filtration Liters	Sample Code & Customer Code AWR TCL/13983/17-18 Life Straw Go 2 stage		
	Input Water Microsphere count	Output Water Microsphere count	% Reduction
12 Liters	2.5 x 10 ⁸ spheres / Liter	<160/Liter	>99.9999 (>6.19 Log)

<160 : Below Detection Limit

INFERENCE:

Tested LS Go – 2 stage product reduces 1 micron polystyrene black dyed microspheres to > 99.9999% reduction (>6.19 log)

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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:

- 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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Mailing Address:**AQUADIAGNOSTICS WATER RESEARCH & TECHNOLOGY CENTRE LIMITED.**

No. No. 43, PMR Towers, 3rd Floor, Above State Bank of India, Beretena Agrahara, Near Hosa Road Junction, Hosur Main Road, Bangalore - 560 100.

Tel: 080-25743042, email: aquadiagnostics@gmail.com, website: www.aquadiagnostics.com

Registered Office : No. 143 C-4, Bommasandra Layout Area, Hosur Road, Anekal Taluk, Bangalore - 560 099, Karnataka

**Picture of the sample and test setup****TEST WATER CHARACTERISTICS: CTW#03**

Test parameter	Recommended by NSF P231 protocol	Concentration maintained by the Laboratory
pH	9.0±0.2	9.1
TDS mg/L	1500 ±150	1520
TOC mg/L	Not less than 10 mg/L	11 mg/L
Turbidity NTU	Not less than 30 NTU	32.0 NTU
Temperature °C	4±1 °C	4 °C

Note : 12 Lit of filtration includes 5 Liters of DM water flushing (wetting and removal of entrapped air), 5 Liters of non spiked test water for conditioning of the product and 5 Liters of spiked test water. During 2nd spiked water running sampling was done after filtering 2 Liters. Test setup was assembled in the manner as shown in the picture. All the tubing, pump etc were first run with DM water to flush out any adhering debris, biological contaminants etc.

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