

Test Report DA19-10525.001 R0

Customer: HYDROLOGIC PO Box 35657, Dubai United Arab Emirates	Job Number: DA19-10525	Received: 26/11/2019
	Approved:	Approved: 11/12/2019
	Reported: 11/12/2019	Page: 1/2
Description: Atmospheric water generator		
Sample Quantity: 2Ltr	Packaging type: Sterile pouch	
Packaging condition: Satisfactory	Collected on: 26.11.2019	
Collected by: SGS Representative	Sample temperature (°C): 10	
Sampling location: Xylem Operation Floor	Sample receipt temp. (°C): 5	
Product type: water	Other information: FND Model KLR-50LA	

Microbiological testing

Analysis	Method	RL	Result	Unit	Standard Limits
Total Coliforms [Ⓛ]	APHA 9222 B, 23rd Edition	--	Not Detected	CFU/250ml	0
Pseudomonas aeruginosa [Ⓛ]	APHA 9213 E, 23rd Edition	--	Not Detected	CFU/250ml	0
Escherichia coli [Ⓛ]	APHA 9222D & 9225, 23rd Edition	--	Not Detected	CFU/250ml	0
Standard Plate Count [Ⓛ]	APHA 9215 B, 23rd Edition	--	95	CFU/mL	--

Chemical testing

Analysis	Method	RL	Result	Unit	Standard Limits
pH [Ⓛ]	FL-SOP-TECH-126	--	6.68	-	6.60 - 8.50
Conductivity	In-house method	--	197.70	μS	-
Total dissolved solids [Ⓛ]	FL-SOP-TECH-125	5.00	104.50	mg/l	100.00 - 1,000.00
Chloride [Ⓛ]	FL-SOP-TECH-124	10.00	27.83	mg/l	-
Sulphate [Ⓛ]	FL-SOP-TECH-124	5.00	<5	mg/l	-
Copper [Ⓛ]	FL-SOP-TECH-128 by ICP-MS	0.10	Not detected	mg/l	< 2.00
Chromium [Ⓛ]	FL-SOP-TECH-128 by ICP-MS	0.00	Not detected	mg/l	-
Manganese [Ⓛ]	FL-SOP-TECH-128 by ICP-MS	0.10	Not detected	mg/l	< 0.40
Lead [Ⓛ]	FL-SOP-TECH-128 by ICP-MS	0.00	Not detected	mg/l	< 0.01
Magnesium	FL-SOP-TECH-128, by ICP_MS	0.10	1.27	mg/l	-
Calcium	FL-SOP-TECH-128, by ICP_MS	0.25	5.60	mg/l	-
Sodium	FL-SOP-TECH-128, by ICP_MS	0.25	18.00	mg/l	--
Potassium	FL-SOP-TECH-128, by ICP_MS	0.25	7.76	mg/l	-
Iron	FL-SOP-TECH-128, by ICP_MS	0.25	Not detected	mg/l	-
Total Alkalinity (as CaCo3)	APHA 2320 B	1.00	31.47	mg/l	--

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Chemical testing

Analysis	Method	RL	Result	Unit	Standard Limits
Total suspended solids	APHA 2540D	5.00	<5.00	mg/l	-

^D are accredited by DAC

Remarks:

Sample description is declared by Customer.

Uncertainty will be reported on Customer request.

Test method deviation: none.

RTF - Results to Follow, ND - Not Detected, N/A - Not Available, CFU - Colony Forming Units, EAPC - Estimated Aerobic plate count, LPS - Limits as per Standard, Temp. -

Temperature, TNTC - Too Numerous to Count, RL - Reporting Limit (method quantification limit), ppm - parts per million, ppb - parts per billion.

Result with symbol '<' are considered as not detected except '<250 EAPC'.

Comments: As per the test conducted above, the product is conforming to GSO 149/2014

Date Start/End Analysis : 26/11/2019 - 08/12/2019




Tina Sanan
Laboratory Manager