

# REVERSE OSMOSIS LAB TEST REPORT



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Project	RO Efficiency and life span test				Test Settings	Water efficiency spiking solution				Test Duration	Start:	20231108	End:	20231113	
Equipment	URO-T09, 100GPD RO System				Configuration	PCT Pre + Post Carbon Filter + 100G RO Membrane + QS803F-75 Pump ( > 0.8 ml/min ) + 300CC waste water valve									
Date & time of Test	Feed Water Pressure (Psi)	Water Temp ( °C )	Water Temp Correction factor	Membrane Pressure (Psi)	TDS Value ( PPM )			Salt Rejection Rate	Production Capacity ( ml )			Total Water Output ( ml )	Water Recovery Rate (%)	Production Capacity	Total Treated (L)
					Feed Water with Spiking Solution	Purified	TDS water		Purified @ room temp (ml)	Purified @ 25°C (ml)	Waste Water (ml)				
<b>20231108</b>															
11:00	29	23	1.077	96	530	35	905	93.40%	328	353	372	725	48.71%	134	Initial
<b>20231109</b>															
9:30	29	26	0.974	95	538	34	953	93.68%	323	315	367	682	46.16%	120	445L
<b>20231110</b>															
8:30	29	24.5	1.019	99	538	34	963	93.68%	305	311	37	686	45.32%	118	955L
<b>20231111</b>															
8:30	29	25	1	99	450	26	810	94.22%	306	306	361	667	45.88%	116	1475L
<b>20231112</b>															
8:30	29	25.1	0.997	99	450	25	810	94.44%	295	294	366	660	44.56%	112	2002L
<b>20231113</b>															
8:30	29	25.4	0.989	100	460	25	815	94.57%	285	282	370	652	43.24%	107	2483L