


# PERFORMANCE DATA SHEET



Cloud RO Version 1 Specifications	
Working Temperature	41-95° F
Working Pressure	40-100 PSI
Flow Rate	0.5-0.75 GPM
Daily Production Rate	50 GPD
Efficiency Rating	54%
Waste Ratio	1:1
pH	7.5-9.5

NSF/ANSI 58 Full System Results							
		Units	Influent Water/ Challenge	Effluent Water/ Filtered	Removal Rate (%)	Maximum Permissible Concentration	Pass/Fail
1	Total Dissolved Solids (TDS)	mg/L	720 ppm	17 ppm	98%	75%	Pass
2	Material Extraction Test	-	-	-	-	-	Pass
3	Structural Integrity Test	-	-	-	-	-	Pass
4	Lead Free Product Test	-	-	-	-	<=0.25%	Pass

This system has been tested and certified by NSF International against NSF/ANSI Standard 58 for RO Systems. The above test results represents data from NSF International performance testing. The below testing results represent third party testing data performed by SGS laboratories. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53, and 58 standards.



NSF/ANSI 42 <i>Testing Performed by SGS Laboratories</i>							
	Test Items	Units	Influent Water/ Challenge	Effluent Water/ Filtered	Removal Rate (%)	Maximum Permissible Concentration	Pass/Fail
1	Chlorine	mg/L	1.89	<0.01	>99.47%	>50%	Pass
2	Chloramine	mg/L	3.19	<0.01	>99.7%	0.5	Pass
3	Free Particles	units/L	50500	11	100%	>85%	Pass

NSF/ANSI 53 <i>Testing Performed by SGS Laboratories</i>							
	Test Items	Units	Influent Water/ Challenge	Effluent Water/ Filtered	Removal Rate (%)	Maximum Permissible Concentration	Pass/Fail
1	Turbidity	NTU	11.7	0.1	99.10%	0.5 (NTU)	Pass
2	Lead (pH 8.5)	mg/L	0.0608	<0.0002	>99.67%	0.005	Pass
3	Lead (pH 6.5)	mg/L	0.0297	<0.0002	>99.32%	0.005	Pass
4	Mercury (pH 8.5)	mg/L	0.0062	<0.0002	>96.77%	0.002	Pass
5	Mercury (pH 6.5)	mg/L	0.2831	<0.0002	>99.92%	0.002	Pass
6	VOCs (as Chloroform)	mg/L	50500	11	100%	>95%	Pass
7	Perfluorooctane Sulfonate (PFOS)	µg/L	0.6	<0.01	>98.83%	0.07	Pass
8	Perfluorooctanoic Acid (PFOA)	µg/L	0.64	<0.01	>98.43%	0.07	Pass

NSF/ANSI 58 <i>Testing Performed by SGS Laboratories</i>							
	Test Items	Units	Influent Water/ Challenge	Effluent Water/ Filtered	Removal Rate (%)	Maximum Permissible Concentration	Pass/Fail
1	Chromium - VI	mg/L	0.301	<0.004	>98.7%	0.1	Pass
2	Arsenic	mg/L	0.3895	0.0002	99.90%	0.01	Pass
3	Cadmium (Cd)	mg/L	0.0358	<0.0002	>99.4%	0.005	Pass
4	Chromium (Cr)	mg/L	0.312	<0.001	>99.7%	0.1	Pass
5	Lead (Pb)	mg/L	0.1582	<0.0002	>99.9%	0.005	Pass
6	Barium (Ba)	mg/L	10.521	<0.005	>99.9%	2.0	Pass
7	Selenium (Se)	mg/L	0.129	<0.001	>99.2%	0.05	Pass
8	Copper (Cu)	mg/L	3.148	<0.005	>99.8%	1.3	Pass
9	Nitrate (as N)	mg/L	29.409	0.923	96.90%	10.0	Pass
10	Nitrite (as N)	mg/L	2.973	0.038	98.70%	1.0	Pass
11	Fluoride	mg/L	7.92	0.04	100%	1.5	Pass