

Plant Effluent Water Analysis

Record of data for 2024

Readings for maximum, minimum, and average values are given in parts per million (ppm).

Chemical element	Symbol	Maximum	Minimum	Average
Silica	SiO ₂	10.1	3.5	7.4
Aluminum	Al	0.12	<0.01	0.04
Calcium	Ca	43.1	25.7	30.0
Magnesium	Mg	6.5	0.7	2.9
Sulfate	SO ₄	36.5	27.4	30.4
Chloride	Cl	37.7	22.6	30.1
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	<0.01	<0.01	<0.01
Fluoride	F	0.96	0.41	0.70
Sodium	Na	21.9	10.1	16.2
Total alkalinity		78	38	56
Total hardness (EDTA)		120	74	97
Total residue		189	134	182
Hydrogen ion concentration	pH	9.31	7.51	9.06
Combined chlorine residual	NH ₂ Cl	4.9	2.2	4.0
Phosphate	PO ₄	0.86	0.32	0.66
Nitrate	NO ₃ -N	1.39	0.32	0.66

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