

Plant Effluent Water Analysis

Record of data for 2025

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

Chemical element	Symbol	Maximum	Minimum	Average
Silica	SiO ₂	10.3	5.1	7.9
Aluminum	Al	0.07	<0.01	0.04
Calcium	Ca	37.0	26.0	30.0
Magnesium	Mg	7.7	1.4	3.8
Sulfate	SO ₄	33.5	24.4	29.0
Chloride	Cl	40.0	25.6	33.1
Iron	Fe	0.08	<0.01	0.01
Manganese	Mn	<0.01	<0.01	<0.01
Fluoride	F	0.99	0.38	0.68
Sodium	Na	22.2	14.6	18.6
Total alkalinity		72	40	54
Total hardness (EDTA)		113	80	94
Total residue		197	133	158
Hydrogen ion concentration	pH	9.22	8.37	9.06
Combined chlorine residual	NH ₂ Cl	4.8	2.3	3.9
Phosphate	PO ₄	0.95	0.71	0.84
Nitrate	NO ₃ -N	1.91	0.27	0.92

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