

**RECORD OF DATA FOR THE YEAR 2022
PLANT EFFLUENT WATER ANALYSIS**

PARTS PER MILLION

<u>CHEMICAL ELEMENT</u>	<u>SYMBOL</u>	<u>MAXIMUM</u>	<u>MINIMUM</u>	<u>AVERAGE</u>
Silica	SiO ₂	11.4	7.6	9.8
Aluminum	Al	0.15	<0.01	0.04
Calcium	Ca	42.1	25.6	31.7
Magnesium	Mg	6.3	0.6	2.7
Sulfate	SO ₄	34.4	19.7	25.6
Chloride	Cl	38.0	18.2	26.5
Iron	Fe	0.01	<0.01	<0.01
Manganese	Mn	0.02	<0.01	<0.01
Fluoride	F	0.92	0.26	0.75
Sodium	Na	22.5	11.2	16.6
Total Alkalinity		83	45	60
Total Hardness (EDTA)		128	62	91
Total Residue		187	132	158
Hydrogen Ion Concentration	pH	9.27	8.01	9.05
Combined Chlorine Residual	NH ₂ Cl	4.5	2.3	3.8
Phosphate	PO ₄	0.90	0.75	0.85
Nitrate	NO ₃ -N	1.34	0.23	0.85

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