

**RECORD OF DATA FOR THE YEAR 2021  
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 <sub>2</sub>	11.6	5.3	8.0
Aluminum	Al	0.08	<0.01	0.03
Calcium	Ca	39.0	24.6	31.3
Magnesium	Mg	5.1	0.9	3.3
Sulfate	SO <sub>4</sub>	33.8	22.6	29.0
Chloride	Cl	41.7	21.4	32.1
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	<0.01	<0.01	<0.01
Fluoride	F	1.10	0.37	0.70
Sodium	Na	25.4	13.8	19.8
Total Alkalinity		77	32	52
Total Hardness (EDTA)		106	74	90
Total Residue		182	148	166
Hydrogen Ion Concentration	pH	9.22	8.80	9.06
Combined Chlorine Residual	NH <sub>2</sub> Cl	4.5	2.0	3.9
Phosphate	PO <sub>4</sub>	1.04	0.71	0.88
Nitrate	NO <sub>3</sub> -N	1.28	0.10	0.52

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