

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Florence Plant

Monthly Averages

Source: Finished Water

Date: June, 2025

Temperature	23.6	° C
Turbidity (NTU)	0.05	Units
Color	3	Units
Dissolved Oxygen (O ₂)	4.8	mg/L
Langelier Index	0.65	
UV-ABS @ 254 nm	4.9	ABS/m
Total Organic Carbon	0.0	mg/L
Specific Conductance @ 25 °C	629	µmhos
Dissolved Solids (Calculated)	423	mg/L
Silica (SiO ₂)	5.0	mg/L

pH 8.84 Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	4	mg/L
Total (M)	43	mg/L

Total Hardness (CaCO ₃)	145	mg/L
Carbonate	43	mg/L
Non-carbonate	102	mg/L

Nitrogen (N)		
Ammonia	0.07	mg/L
Nitrite	<0.02	mg/L
Nitrate	1.32	mg/L

Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.38	mg/L

Surfactants (MBAS) - mg/L

Radioactivity :		
Gross Alpha (α)	0.4	pCi/L
Beta Emitters (β)	4.5	pCi/L
Radium 226+228	-	pCi/L
Uranium	-	mg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli: 0.00% E. coli: absent

Cryptosporidium: N.D. Giardia: N.D.

Cations :		
Calcium	(Ca)	38 mg/L
Magnesium	(Mg)	12 mg/L
Sodium	(Na)	73 mg/L
Potassium	(K)	5.9 mg/L

Anions :		
Bicarbonate	(HCO ₃)	43 mg/L
Carbonate	(CO ₃)	5 mg/L
Hydroxide	(OH)	<0.1 mg/L
Fluoride	(F)	0.6 mg/L
Chloride	(Cl)	22 mg/L
Bromide	(Br)	0.02 mg/L
Nitrite	(NO ₂)	<0.07 mg/L
Nitrate	(NO ₃)	5.87 mg/L
Phosphate	(PO ₄)	<0.1 mg/L
Sulfate	(SO ₄)	212 mg/L

Trace Inorganics :		
Aluminum	(Al)	0.265 mg/L
Copper	(Cu)	0.002 mg/L
Iron	(Fe)	0.027 mg/L
Lithium	(Li)	0.052 mg/L
Manganese	(Mn)	<0.001 mg/L
Strontium	(Sr)	0.400 mg/L
Zinc	(Zn)	<0.005 mg/L

Antimony	(Sb)	< 1.0 µg/L
Arsenic	(As)	<1.0 µg/L
Barium	(Ba)	28.1 µg/L
Beryllium	(Be)	< 1.0 µg/L
Cadmium	(Cd)	< 1.0 µg/L
Chromium	(Cr)	1.67 µg/L
Lead	(Pb)	< 1.0 µg/L
Mercury	(Hg)	- µg/L
Nickel	(Ni)	1.07 µg/L
Selenium	(Se)	< 5.0 µg/L
Thallium	(Tl)	< 1.0 µg/L

Organics :

Atrazine	0.46	µg/L
Metolachlor	-	µg/L

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Chemist II

N. D. = Not Detected