

METROPOLITAN UTILITIES DISTRICT OF OMAHA
REPORT OF WATER ANALYSIS

Florence Plant

Monthly Averages

Source: Finished Water

Date: October, 2025

Temperature	18.3	° C
Turbidity (NTU)	0.05	Units
Color	1	Units
Dissolved Oxygen (O ₂)	4.7	mg/L
Langelier Index	0.95	
UV-ABS @ 254 nm	5.1	ABS/m
Total Organic Carbon	3.4	mg/L
Specific Conductance @ 25 °C	649	µmhos
Dissolved Solids (Calculated)	424	mg/L
Silica (SiO ₂)	5.5	mg/L

pH 9.16 Units

Alkalinity (CaCO ₃)		
Phenolphthalein (P)	8.6	mg/L
Total (M)	53	mg/L

Total Hardness (CaCO ₃)	153	mg/L
Carbonate	53	mg/L
Non-carbonate	100	mg/L

Nitrogen (N)		
Ammonia	0.05	mg/L
Nitrite	<0.02	mg/L
Nitrate	0.60	mg/L

Chlorine (Cl ₂)		
Free Residual	0.00	mg/L
Total Residual	2.41	mg/L

Surfactants (MBAS) - mg/L

Radioactivity :		
Gross Alpha (α)	0.3	pCi/L
Beta Emitters (β)	4.8	pCi/L
Radium 226+228	-	pCi/L
Uranium	-	mg/L

Cations :		
Calcium	(Ca)	35 mg/L
Magnesium	(Mg)	16 mg/L
Sodium	(Na)	67 mg/L
Potassium	(K)	6.4 mg/L

Anions :		
Bicarbonate	(HCO ₃)	44 mg/L
Carbonate	(CO ₃)	10 mg/L
Hydroxide	(OH)	0.1 mg/L
Fluoride	(F)	0.63 mg/L
Chloride	(Cl)	10 mg/L
Bromide	(Br)	0.02 mg/L
Nitrite	(NO ₂)	<0.07 mg/L
Nitrate	(NO ₃)	2.64 mg/L
Phosphate	(PO ₄)	<0.10 mg/L
Sulfate	(SO ₄)	226 mg/L

Trace Inorganics :		
Aluminum	(Al)	0.094 mg/L
Copper	(Cu)	0.002 mg/L
Iron	(Fe)	0.073 mg/L
Lithium	(Li)	0.051 mg/L
Manganese	(Mn)	< 0.001 mg/L
Strontium	(Sr)	0.395 mg/L
Zinc	(Zn)	< 0.005 mg/L

Antimony	(Sb)	< 1.0 µg/L
Arsenic	(As)	<1.0 µg/L
Barium	(Ba)	27.2 µg/L
Beryllium	(Be)	< 1.0 µg/L
Cadmium	(Cd)	< 1.0 µg/L
Chromium	(Cr)	1.65 µg/L
Lead	(Pb)	< 1.0 µg/L
Mercury	(Hg)	- µg/L
Nickel	(Ni)	<1.0 µg/L
Selenium	(Se)	< 5.0 µg/L
Thallium	(Tl)	< 1.0 µg/L

Bacteriological Quality : Distribution System

Meets USEPA drinking water standards:

T. coli:	0.00%	E. coli:	absent
Cryptosporidium:	N.D.	Giardia:	N.D.

Organics :

Atrazine	-	µg/L
Metolachlor	-	µg/L

Chris Griesman

Chemist II

N. D. = Not Detected