



City of Wichita Water Utilities 2000 Average Chemical Analysis of Treated Water

CONSTITUENT	WICHITA	UNITS	MDL	MCL
Aluminum	0.01	mg/L	0.01	
Ammonia-N	0.38	mg/L	0.007	
Antimony	<MDL	µg/L	2.5	6
Arsenic	2	µg/L	1	50
Barium	0.036	mg/L	0.005	2
Beryllium	<MDL	µg/L	1	4
Bromide	0.04	mg/L	0.02	
Cadmium	<MDL	µg/L	1	5
Calcium	20.9	mg/L	0.01	
Calcium Hardness	52	mg/L	0.02	
Chloride	113	mg/L	5	
Chlorine Residual, Combined	2.06	mg/L	0.05	
Chromium	<MDL	µg/L	1	100
Copper	<MDL	mg/L	0.005	TT
Cyanide	<MDL	µg/L	5	200
Dissolved Oxygen	10	mg/L	0.1	
Fluoride	0.28	mg/L	0.01	4
Iron	<MDL	mg/L	0.005	
Langlier Corrosivity Index	0.07	LCI		
Lead	1	µg/L	1	TT
Magnesium	14	mg/L	0.05	
Manganese	0.002	mg/L	0.001	
Mercury	<MDL	µg/L	0.1	2
Nickel	<MDL	mg/L	0.005	
Nitrate-N	0.67	mg/L	0.01	10
Nitrite-N	<MDL	mg/L	0.01	1
Nitrite/Nitrate-N	0.67	mg/L	0.02	10
Ortho Phosphate-P	0.01	mg/L	0.01	
Partial Alkalinity (as CaCO ₃)	<MDL	mg/L	1	
pH	8.5	pH UNITS		
Potassium	4.6	mg/L	0.05	
Selenium	<MDL	µg/L	2	50
Silica	7.8	mg/L	0.05	
Silver	<MDL	mg/L	0.01	
Sodium	88	mg/L	0.1	
Specific Conductance	630	µmhos/cm ²	2	
Sulfate	75	mg/L	5	
Temperature	15.5	° C	0.1	
Thallium	<MDL	µg/L	1.7	2
Total Alkalinity (as CaCO ₃)	82	mg/L	2	
Total Dissolved Solids	374	mg/L	10	
Total Hardness (as CaCO ₃)	110	mg/L	1	
Total Organic Carbon	2.6	mg/L	0.1	
Total Phosphorus-P	0.05	mg/L	0.03	
Total Solids	392	mg/L	10	
Total Trihalomethanes	28.1	µg/L	2	100
Turbidity	0.28	mg/L	0.1	TT
Vanadium	<MDL	mg/L	0.002	
Zinc	<MDL	mg/L	0.005	

MCL = Maximum Contaminant Level
 TT = Treatment Technique
 Avg. tap hardness = 6.4 grains/gal
 mg/L = ppm (parts per million)

<MDL = Values less than Method Detection Limit
 Ave. tap sodium = 80-100 mg/L
 One (1) grain/gal = 17.1 mg/L
 µg/L = ppb (parts per billion)