



# Wichita Water Utilities

## 2007 Average Chemical Analysis of Treated Water

Constituents	Wichita Level	Units	MDL	MCL
Aluminum	<0.01	mg/L	0.01	
Ammonia-N	0.53	mg/L	0.007	
Antimony	<2.5	µg/L	2.5	6
Arsenic	<1	µg/L	1	10
Barium	0.047	mg/L	0.005	2
Beryllium	<1	µg/L	1	4
Bromide	0.04	mg/L	0.02	
Cadmium	2	µg/L	1	5
Calcium	25.7	mg/L	0.01	
Calcium Hardness	64	mg/L	0.02	
Chloride	114	mg/L	5	
Chlorine Residual, Combined	1.9	mg/L	0.05	
Chromium	<1	µg/L	1	100
Copper	<0.005	mg/L	0.005	TT
Cyanide	<5	µg/L	5	200
Fluoride	0.33	mg/L	0.01	4
Haloacetic Acid	11.7	µg/L	2	60
Hydrogen Sulfide	<0.1	mg/L	0.1	
Iron	<0.005	mg/L	0.005	
Langlier Corrosivity Index	0.32	LCI		
Lead	<1	µg/L	1	TT
Magnesium	13.9	mg/L	0.05	
Manganese	<0.001	mg/L	0.001	
Mercury	<0.1	µg/L	0.1	2
Nickel	<5	µg/L	5	
Nitrate-N	0.66	mg/L	0.01	10
Nitrite/Nitrate-N	0.66	mg/L	0.02	10
Nitrite-N	<0.01	mg/L	0.01	1
Ortho Phosphate-P	0.03	mg/L	0.01	
Partial Alkalinity (as CaCO3)	<1	mg/L	1	
pH	8.7	pH UNITS		
Potassium	4.9	mg/L	0.05	
Selenium	<2	µg/L	2	50
Silica	7.5	mg/L	0.05	
Silver	<0.01	mg/L	0.01	
Sodium	92	mg/L	0.1	
Specific Conductance	673	µmhos/cm <sup>2</sup>	2	
Strontium	0.288	mg/L	0.005	
Sulfate	62	mg/L	5	
Temperature	14.7	° C	0.1	
Thallium	<1.7	µg/L	1.7	2
Total Alkalinity (as CaCO3)	99	mg/L	2	
Total Dissolved Solids	380	mg/L	10	
Total Hardness (as CaCO3)	122	mg/L	1	
Total Organic Carbon	2.5	mg/L	0.1	
Total Phosphorus-P	0.06	mg/L	0.03	
Total Solids	401	mg/L	10	
Total Trihalomethanes	22	µg/L	2	80
Turbidity	0.15	NTU	0.1	TT
Vanadium	<0.002	mg/L	0.002	
Zinc	<0.005	mg/L	0.005	

MCL = Maximum Contaminant Level

TT = Treatment Technique

Avg. tap hardness = 7.1 grains/gal

mg/L = ppm (parts per million)

< = Less than the Method Detection Limit (MDL)

Sodium in 8 oz glass = 20-25 mg

One (1) grain/gal = 17.1 mg/L

µg/L = ppb (parts per billion)

Additional information is available on the City of Wichita web site at [www.wichita.gov](http://www.wichita.gov)