

Physical Tests	Units	City	SEK	Guideline	What does this mean?
Colour, True	CU	<5.0	35	AO=15	You will not see any yellow color in City water relative to SEK
Conductivity	uS/cm	299	49.3		Higher mineral content in City water
Hardness (as CaCO ₃)	mg/L	126	18.5		SEK water is considered soft, City is considered medium to hard
pH	pH	7.90	6.14	7.5-10	City water is less acidic than SEK water
Total Dissolved Solids	mg/L	170	18.3	AO=500	Higher mineral content in City water
Turbidity	NTU	0.57	2.85	MAC=1	Lower sediment in City water and meets health guidelines
Anions and Nutrients					
Alkalinity, Total (as CaCO ₃)	mg/L	118	3.8		City water is more alkaline than SEK water
Ammonia, Total (as N)	mg/L	<0.050	>0.050		Lower natural ammonia levels in City water
Chloride (Cl)	mg/L	7.52	4.84	AO=250	No significant differences
Fluoride (F)	mg/L	0.21	0.12	MAC=1.5	No significant differences
Nitrate (as N)	mg/L	0.095	0.062	MAC=10	No significant differences
Nitrite (as N)	mg/L	<0.010	<0.010	MAC=1	No significant differences
Sulfate (SO ₄)	mg/L	30.5	1.8	AO=500	No significant differences
Sulphide as S	mg/L	0.022	0.041		No significant differences
Organic Carbon					
Total Organic Carbon	mg/L	4.09	11.6		No clothes or fixture staining with City water relative to SEK
Bacteriological Tests					
<i>E. coli</i>	MPN/100mL	<1	<1	MAC=<1	No significant differences
Coliform Bacteria - Total	MPN/100mL	<1	<1	MAC=<1	No significant differences
Total Metals & Minerals					
Aluminum (Al)-Total	mg/L	0.0054	0.157	AO=0.1	Lower natural levels of Aluminum in City water
Antimony (Sb)-Total	mg/L	<0.00020	<0.00020	MAC=0.006	No significant differences
Arsenic (As)-Total	mg/L	<0.00050	<0.0005	MAC=0.01	No significant differences
Barium (Ba)-Total	mg/L	0.0225	0.0068	MAC=1	No significant differences
Boron (B)-Total	mg/L	<0.0500	<0.050	MAC=5	No significant differences
Cadmium (Cd)-Total	mg/L	<0.000010	<0.000010	MAC=0.005	No significant differences
Calcium (Ca)-Total	mg/L	34.5	5.17		Higher mineral content in City water
Chromium (Cr)-Total	mg/L	<0.0005	<0.0005	MAC=0.05	No significant differences
Copper (Cu)-Total	mg/L	0.00113	0.0157	AO=15	No fixture staining and less metallic taste in City water
Iron (Fe)-Total	mg/L	<0.010	0.632	AO=0.3	No fixture staining and less metallic taste in City water
Lead (Pb)-Total	mg/L	<0.00020	<0.00020	MAC=0.01	No significant differences
Magnesium (Mg)-Total	mg/L	9.77	1.35		Higher mineral content in City water
Manganese (Mn)-Total	mg/L	0.00141	0.0303	AO=0.05	No fixture staining and less metallic taste in City water
Mercury (Hg)-Total	mg/L	<0.000010	<0.000010	MAC=0.001	No significant differences
Potassium (K)-Total	mg/L	2.55	0.63		Higher mineral content in City water
Selenium (Se)-Total	mg/L	<0.0005	<0.0005	MAC=0.05	No significant differences
Sodium (Na)-Total	mg/L	12.2	1.92	AO=200	Higher mineral content in City water
Uranium (U)-Total	mg/L	0.00253	0.000617	MAC=0.02	Lower natural levels of Uranium in SEK water
Zinc (Zn)-Total	mg/L	<0.004	0.005	AO=5	No significant differences

MAC= Maximum Acceptable Concentration related to Health Concerns
AO = Aesthetic Objective related to Taste, Odor, Appearance