



**Average water quality at Pitkääkoski, Vanhankaupunki and Kuninkaanlähde
water treatment plants 1.1. - 31.8.2025**

Analysis	Unit	Drinking water			Quality recommendation/ requirement ^{c)}
		Pitkääkoski, surface water treatment plant	Vanhakaupunki, surface water treatment plant	Kuninkaanlähde, ground water intake plant	
Temperature	°C	5,7	5,3	7,2	
Alkalinity, HCO ₃ ⁻	mmol/l	0,73	0,73	0,98	
Ammonium, NH ₄ ⁺	mg/l	0,12	0,13	0,11	0,5
Total chlorine, Cl ₂	mg/l	0,44	0,43	0,40	
Permanent hardness	°dH	3,0	3,0	3,4	
Total organic carbon, TOC	mg/l	1,9	2,1	0,6	b)
KMnO ₄ -index	# mg/l	5,1	5,6	-	
pH		8,5	8,5	8,6	6,5–9,5
Turbidity	FNU	0,06	0,06	<0,05	a)
Conductivity	µS/cm	155	157	237	2500
Iron, Fe	µg/l	27	15	<10	200
Aluminium, Al	# µg/l	5	6	-	200
Fluoride, F	# mg/l	0,1	0,1	-	1,5
Cadmium, Cd	# µg/l	<0,02	<0,02	-	5,0
Potassium, K	# mg/l	1,2	1,3	-	
Calcium, Ca	# mg/l	18	18	-	
Chloride, Cl	# mg/l	5,9	6,4	-	250
Chromium, Cr	# µg/l	0,05	<0,05	-	50
Copper, Cu	# µg/l	<20	<20	-	2000
Lead, Pb	# µg/l	<0,1	<0,1	-	10
Magnesium, Mg	# mg/l	1,5	1,5	-	
Manganese, Mn	# µg/l	<3	<3	-	50
Sodium, Na	# mg/l	6,0	6,5	-	200
Zinc, Zn	# µg/l	<5	<5	-	
Sulphate sulphur, SO ₄ -S	# mg/l	8,1	8,1	-	
Sum of PFAS compounds	# ng/l	<10	<10	-	100
Heterotrophic plate count 22°C	cfu/ml	0	0	0	
<i>Escherichia coli</i>	mpn/100 ml	0	0	0	0
Coliform bacteria	mpn/100 ml	0	0	0	0
Intestinal enterococci	mpn/100 ml	0	0	0	0
Odour, dilution number 25°C		0,0	0,0	0,0	a)
Flavour, dilution number 25°C		0,0	0,0	0,2	a)

Analysis subcontracted. The subcontractor is MetropoliLab Oy.

a) Acceptable to consumers, no abnormal changes

b) No abnormal changes

c) Decree of the Ministry of Social Affairs and Health Relating to the Quality and Monitoring of Water Intended for Human Consumption 1352/2015