

Average water quality at water treatment plants and distribution network in City of Tampere (Finland) 1.1.2025-31.12.2025

	Unit	Method	Kaupinoja wtp	Rusko wtp	Messukylä wtp	Mustalampi wtp	Hyhky wtp	Pinsiö wtp	Julkujärvi wtp	Distribution Network	Quality recommendation/ requirement *
<b>Microbiological parameters</b>											
Coliform bacteria (inc. <i>e.coli</i> )	pmy/100ml	SFS 3016 / SFS_EN ISO 9308-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Heterotrophic plate count 22°C	pmy/ml	SFS-EN ISO 6222	0	0	0	0	0	0	1	2	**
Intestinal enterococci	pmy/100ml	EN ISO 7899-2	0	0						0	0
<b>Chemical and indicator parameters</b>											
Temperature	°C	Internal method	8.0	8.2	7.4	8.1	7.7	6.0	6.5	9.0	
pH		SFS 3021	7.9	7.9	8.0	7.8	7.7	7.7	7.6	8.0	≥ 6,5 and ≤ 9,5
Turbidity	NTU	ISO 7027	0.12	0.11	0.07	0.07	0.07	0.06	0.07	0.13	***
Alkalinity	mmol/l	SFS 3005	0.68	0.67	1.4	0.81	1.0	0.85	0.83		
Total organic carbon	mg/l	SFS-EN 1484	2.2	2.0	0.92	0.87	0.73	0.73	0.63	1.7	**
Iron, Fe	µg/l	SFS-EN ISO 11885:2009	20	15	<10	<10	<10	<10	10	25	200
Manganese, Mn	µg/l	SFS-EN ISO 11885:2009	2	1	1	<1	<1	<1	1	1.1	50
Conductivity 25 °C	µS/cm	SFS EN 27888	170	150	340	330	260	150	130	178	2500
Colour	mgPt/l	SFS-EN ISO 7887	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	***
Free chlorine	mg/l	SFS-EN ISO 7393-2	0.37	0.38	0.18	0.16	0.17	0.16	0.11	0.07	
Total chlorine, Cl2	mg/l	SFS-EN ISO 7393-2	0.45	0.45	0.23	0.20	0.21	0.19	0.14	0.13	
Permanent hardness	°dH	SFS-EN ISO 11885:2009	3.7	3.2	6.1	5.4	4.7	1.8	1.8	3.2	
Calcium, Ca	mg/l	SFS-EN ISO 11885:2009	24	20	24	24	23	8.4	8.4	18	
Magnesium, Mg	mg/l	SFS-EN ISO 11885:2009	1.3	1.7	12	9.0	6.7	2.6	2.6	2.9	
Aluminium, Al	µg/l	SFS-EN ISO 11885:2009	27	<10	<10	<10	<10	<10	<10	<10	200
Potassium, K	mg/l	SFS-EN ISO 11885:2009	1.0	1.4	4.8	3.5	3.0	1.7	1.6	1.5	
Sodium, Na	mg/l	SFS-EN ISO 11885:2009	3.3	3.0	17	18	13	15	12	14	200
Chloride, Cl	mg/l	ISO 10304	4.6	4.4	28	40	23	11	6.6	15	250
Fluoride, F	mg/l	ISO 10304	0.09	0.11	0.35	0.18	0.17	0.08	0.11	0.15	1.5
Sulphate	mg/l	SFS-EN ISO 11885:2009	36	27	49	48	31	8.9	8.9		250
Nitrate	mg/l	ISO 10304	0.79	0.49	0.58	5.0	5.8	5.4	3.4	2.1	50
Nitrite	µg/l	SFS 3029	<3	<3	<3	<3	<3	<3	<3	<3	500
Ammonium	µg/l	SFS 3032 (mod.)	1.6	1.7	1.4	1.4	1.4	1.3	1.3	<0.007	500
Odour		Internal method	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	***
Taste		Internal method	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	***

\* Finnish Decrees of Drinking Water Quality STM 1352/2015, STM 683/2017 ja STM 2/2023 (Comply with EU Directive 2020/2184 on the quality of water intended for human consumption)

\*\* No abnormal change

\*\*\* Acceptable to consumers and no abnormal change