

Drinking Water in Stockholm – Certificate of Quality

The drinking water in Stockholm is produced by Stockholm Vatten och Avfall and is certified by ISO 9001 and ISO 14001.

The drinking water in Stockholm is of a high and consistent quality and is produced by treating water from the lake Mälaren in our two water works, Lovö and Norsborg.

The production and distribution of drinking water is regulated by the Swedish Food Agency (Livsmedelsverket) through the national directive LIVSFS 2022:12 (based on the European drinking water directive 2020/2184).

The drinking water quality and the quality control performed by Stockholm Vatten och Avfall is in full compliance to existing regulations and guidelines.

A quality declaration (based on water quality data from 2024) from our two water works Lovö and Norsborg is enclosed within this document.

Kind regards,

Stockholm Vatten och Avfall

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Drinking Water Quality at the Norsborg and Lovö Water Works in Stockholm 2024

Parameter		Unit	Drinking water	Drinking water	Limit ¹⁾
			Norsborg mean	Lovö mean	
Temperature		°C	8,2	6,2	-
Colour	Pt	mg/l	6	6	15
Turbidity		FNU	0,06	0,06	0,5
Conductivity, 25 °C		mS/m	25	29	250 ³⁾
Total organic carbon	TOC	mg/l	4,0	4,5	<i>l.n.v.</i> ^{4) 6) 7)}
Odour			none	none	<i>distinct</i> ³⁾
pH			8,4	8,4	10,5
Alkalinity	HCO ₃	mmol/l	0,93	1,2	-
Total hardness	CaCO ₃	mg/l	83,5	110,0	279 ³⁾
Calcium	Ca	mg/l	26,2	35,7	100 ³⁾
Magnesium	Mg	mg/l	4,4	5,1	30 ³⁾
Sodium	Na	mg/l	13	14	200 ³⁾
Potassium	K	mg/l	2,5	2,8	-
Iron	Fe	mg/l	< 0,01	< 0,01	0,100
Manganese	Mn	mg/l	< 0,001	< 0,001	0,05 ³⁾
Aluminium	Al	mg/l	0,02	0,03	0,2 ³⁾
Copper	Cu	mg/l	0,005	0,001	2,0 ³⁾
Lead	Pb	mg/l	< 0,0005	< 0,0005	0,005 ³⁾
Cadmium	Cd	mg/l	< 0,0001	< 0,0001	0,0005 ³⁾
Mercury	Hg	mg/l	< 0,0001	< 0,0001	0,001 ³⁾
Arsenic	As	mg/l	< 0,001	< 0,001	0,005 ³⁾
Pesticides –					
aldrin, dieldrin, heptaklor, heptaklorepoxyd		mg/l	< reporting limit	< reporting limit	0,00003 ^{3) 4)}
Pesticides – total		mg/l	< reporting limit	< reporting limit	0,0005 ³⁾
Polycyclic aromatic hydrocarbons, total PAH		mg/l	< 0,00005	< 0,00005	0,0001 ³⁾
Trihalomethanes, total	THM	mg/l	< 0,004	< 0,004	0,1 ³⁾
PFAS 4		ng/l	2,8	3,2	4 ¹⁰⁾
PFAS 21		ng/l	8,5	8,7	100 ¹⁰⁾
Sulphate	SO ₄	mg/l	46	45	250 ³⁾
Chloride	Cl	mg/l	16	17	250 ³⁾
Fluoride	F	mg/l	< 0,2	< 0,2	1,5 ³⁾
Ammonia	NH ₄	mg/l	0,07	0,08	0,50 ³⁾
Nitrite	NO ₂	mg/l	< 0,007	< 0,007	0,10
Total active chlorine ²⁾	Cl ₂	mg/l	0,24	0,25	0,4
Cultivable microorganisms, 22 °C, 3 days		per ml	1	1	<i>l.n.v.</i> ^{6) 8)}
Slow-growing bacteria, 22 °C, 7 days		per ml	2	2	<i>l.n.v.</i> ^{4) 6) 9)}
Coliform bacteria, 35 °C		per 100 ml	< 1	< 1	<i>detected</i>
<i>Escherichia coli</i>		per 100 ml	< 1	< 1	<i>detected</i>
Intestinal enterococci		per 100 ml	< 1	< 1	<i>detected</i>
<i>Clostridium perfringens</i>		per 100 ml	< 1	< 1	<i>detected</i> ³⁾

Comments

The results are yearly averages. Temperature and chlorine levels vary seasonally. Analyses are normally conducted several times a week.

The sign "<" means "less than".

- 1) Limit according to LIVSFS 2022:12.
- 2) Disinfectant is used during the warmer part of the year, resulting in a total of 0,3 mg active chlorine/l. During the colder part of the year the dosage is lowered to a total of 0,2 mg active chlorine/l.
- 3) Limit applies at the consumer. There is no limit at the water treatment plant.
- 4) There is no limit at the water treatment plant.
- 5) Single pesticides.
- 6) "l.n.v." means "limit of normal variation".
- 7) Stockholm Vatten och Avfalls limit for normal variation is 5,5 mg/l.
- 8) Stockholm Vatten och Avfalls limit for normal variation is 10 cfu/ml.
- 9) Stockholm Vatten och Avfalls limit for normal variation is 550 cfu/ml.
- 10) The regulations regarding PFAS 4 and PFAS 21 according to § 6 and appendix 1 apply from the 1 January 2026.