

Lab Hanoi Drinking Water Quality Analysis Report (2021 average values)

Parameter	Unit	Result	Limit
Escherichia coli (E.coli)	Number/100 mL	5	0
Enterococci	Number/100 mL	0	0
Acrylamide	mg/L	<0,00005	0,00010
Benzene	mg/L	<0,00025	0,0010
Bromate	mg/L	0,050	1,0
Boron	mg/L	0,0062	0,010
Chromium	mg/L	<0,0005	0,050
Cyanide	mg/L	<0,0020	0,050
1,2-Dichloroethane	mg/L	0,0030	0,0030
Fluoride	mg/L	0,30	1,5
Nitrate	mg/L	40	50
Pesticides and Biocidal products	mg/L	<0,00005	0,00010
Mercury	mg/L	<0,00005	0,0010
Selenium	mg/L	<0,001	0,010
Tetrachloroethene + Trichloroethene	mg/L	<0,0001	0,010
Uranium	mg/L	<0,0009	0,010
Antimony	mg/L	<0,0010	0,0050
Arsenic	mg/L	<0,0050	0,010
Benzo-(a)-pyrene	mg/L	<0,0000025	0,000010
Lead	mg/L	<0,0005	0,010
Cadmium	mg/L	<0,0001	0,0030
Copper	mg/L	2,10	2,0
Nickel	mg/L	<0,001	0,020
Nitrite	mg/L	<0,01	0,50
Polycyclic Aromatic Hydrocarbons	mg/L	<0,00010	0,00010
Trihalomethanes	mg/L	0,060	0,050
Vinyl chloride	mg/L	<0,0005	0,00050
Aluminum	mg/L	<0,01	0,200
Ammonium	mg/L	<0,01	0,50
Chloride	mg/L	250	250
Clostridium perfringens (including spores)	Number/100 mL	2	0
Total Coliform Bacteria	Number/100 mL	10	0
Iron	mg/L	0,25	0,200
Color (SAK 436 nm)	1/mL	0,7	0,5
Odor (as TON)	-	3	3 at 20°C
Taste	-	metallic	-
Colony count at 22°C	Number/mL	20	20
Colony count at 36°C	Number/mL	110	100
Electrical Conductivity (25°C)	µS/cm	650	2790
Manganese	mg/L	<0,0025	0,050
Sodium	mg/L	20	200
Total Organic Carbon	mg/L	7,0	-
Oxidisability	mg/L O ₂	7,0	5,0
Sulfate	mg/L	40	250
Turbidity	NTU	1,5	1,0
pH	-	7,2 at 15°C	6,5≤pH≤9,5
Calcit dissolving capacity	mg/L CaCO ₃	-4,20	5
Radon-222	Bq/L	1	100
Tritium	Bq/L	n.r.*	100
Total indicative dose	mSv/year	<0,10	0,10
Chlorine dioxide	mg/L	0	0,2
Chlorite	mg/L	n.r.*	0,2
Phosphate-Phosphorus	mg/L	2,0	2,2

Ozone	mg/L	0	0,05
Acid capacity up to pH 4,3	mol/m ³	3,6	-
Carbonate hardness	°dH	7,2	-
Calcium	mg/L	72	-
Magnesium	mg/L	11	-
Potassium	mg/L	2,5	-
Silicate	mg/L	6,5	-
Hardness range **		medium	-

*n.r.: not required

**Hardness range "soft": less than 1,5 mmol Calcium carbonate per liter equivalent as degree German hardness less than 8,4 °dH

Hardness range "medium": Calcium carbonate is between 1,5 and 2,5 mmol per liter equivalent as degree German hardness between 8,4 and 14 °dH

Hardness range "hard": more than 2,5 mmol per liter equivalent as degree German hardness more than 14 °dH