

EXECUTIVE DIVISION OF WATER SECTOR
DIVISION OF PLANNING & SUPPORT FOR WATER SECTOR
WATER QUALITY CONTROL DEPARTMENT

EYDAP SA DRINKING WATER QUALITY DATA FOR YEAR 2024

PARAMETER	UNIT	2024 AVERAGE VALUE	PARAMETRIC VALUE (CMD 27829/2023, Hellenic Gazette 3525B/25-5-2023)
MICROBIOLOGICAL PARAMETERS			
Enterococci	cfu/100ml	0	0
Escherichia coli (E. coli)	cfu/100ml	0	0
CHEMICAL PARAMETERS			
Acrylamide	µg/l	N.D.	0,10
Antimony	µg Sb/l	N.D.	10
Arsenic	µg As/l	2,1	10
Benzene	µg/l	N.D.	1,0
Benzo(a) pyrene	µg/l	N.D.	0,010
Boron	µg B/l	14	1500
Bromate	µg BrO ₃ ⁻ /l	0,36	10
Cadmium	µg Cd/l	0,13	5
Chlorate	ClO ₃ ⁻ mg/l	0,03	0,70
Chlorite	ClO ₂ ⁻ mg/l	N.D.	0,70
Total Chromium	µg Cr/l	N.D.	50
Copper	µg Cu/l	1,8	2000
Cyanide	µg CN ⁻ /l	N.D.	50

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1,2-dichloroethane	µg/l	N.D.	3,0
Epichlorohydrin	µg/l	N.D.	0,10
Fluoride	mg F ⁻ /l	0,13	1,5
Lead	µg Pb/l	1,3	10
Mercury	µg Hg/l	0,03	1,0
Microcystin-LR	µg/l	N.D.	1,0
Nickel	µg Ni/l	N.D.	20
Nitrate	mg NO ₃ ⁻ /l	0,83	50
Nitrite	mg NO ₂ ⁻ /l	N.D.	0,50
NITRITE/3 + NITRATE/50	mg/l	0,02	1
Pesticides	µg/l	N.D.	0,10
Pesticides Total	µg/l	N.D.	0,50
Sum of PFAS	µg/l	N.D.	0,10
Polycyclic aromatic hydrocarbons (Sum of concentrations of the following specific compounds: benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, and indeno(1,2,3-cd)pyrene)	µg/l	N.D.	0,10
Selenium	µg Se/l	1,9	20
Tetrachloroethene and Trichloroethene	µg/l	N.D.	10
Chloroform (CHCl ₃)	µg/l	20	
Dichlorobromomethane (CHBrCl ₂)	µg/l	11	
Dibromochloromethane (CHBr ₂ Cl)	µg/l	6,0	
Bromoform (CHBr ₃)	µg/l	0,5	
Total Trihalomethanes (Sum of the above four compounds)	µg/l	37,5	100

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Uranium	µg U/l	N.D.	30
Vinyl chloride	µg/l	N.D.	0,50
INDICATOR PARAMETERS			
Aluminium	µg Al/l	105	200
Ammonium	mg NH ₄ ⁺ /l	N.D.	0,50
Chloride	mg Cl ⁻ /l	8,8	250
Clostridium perfringens including spores	cfu/100ml	0	0
Colour	mg Pt/l	N.D.	Acceptable to consumers and no abnormal change
Conductivity, 25°C	µS/cm	307	2764, 25°C (2500, 20°C)
Hydrogen ion concentration	pH	7,8	6,5-9,5
Iron	µg Fe/l	13	200
Manganese	µg Mn/l	1,5	50
Odour		Acceptable	Acceptable to consumers and no abnormal change
Sulphate	mg SO ₄ ²⁻ /l	24,8	250
Sodium	mg Na/l	7,8	200
Taste		Acceptable	Acceptable to consumers and no abnormal change
Colony count 22° C	cfu/ml	0	No abnormal change
Colony count 36° C	cfu/ml	0	No abnormal change
Coliform bacteria	cfu/100ml	0	0
Total organic carbon (TOC)	mg/l	1,4	No abnormal change
Residual Chlorine	mg Cl ₂ /l	0,41	
Turbidity	NTU	0,21	Acceptable to consumers and no abnormal change
WATCH LIST OF SUBSTANCES AND COMPOUNDS OF CONCERN			
17-beta-estradiol	ng/l	N.D.	1 (Guidance value)

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Nonylphenol	ng/l	N.D.	300 (Guidance value)
RADIOACTIVITY *			
Gross alpha activity	Bq/l	N.D.	
Gross beta activity	Bq/l	N.D.	
Radioactivity (total indicative dose)	mSv/έτος	<0,10	0,10*
FURTHER PARAMETERS			
Calcium	mg Ca/l	46	
Magnesium	mg Mg/l	8,5	
Hardness (Calculated)	mg CaCO ₃ /l	147	
Alkalinity (Total)	mg CaCO ₃ /l	123	
Phosphate	mg PO ₄ ³⁻ /l	0,02	
Potassium	mg K/l	1,3	
Silver	µg Ag/l	1,5	
Barium	µg Ba/l	30	
Tin	µg Sn/l	1,4	
Zinc	µg Zn/l	4,8	
Vanadium	µg V/l	N.D.	
Salmonella	cfu/1000ml	N.D.	
Somatic coliphages	PFU/100ml	N.D.	
Asbestos Fibres Total concentration	No of fibres/l	N.D.	
Asbestos Fibres >10µm	No of fibres/l	N.D.	
Sum of microcystins and cyanopeptides	µg/l	N.D.	
Sum of Volatile Organic Compounds	µg/l	N.D.	
Geosmin	ng/l	6,0	

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2-methyl-isoborneol	ng/l	N.D.	

* For radioactivity, parameters and parametric values derive from the National Legislation CMD Π/112/1057/2016 Hellenic Gazette 241B/9-2-2016
For microbiological parameters, the median value is used as a measure of central tendency.
N.D. NOT DETECTED

The aforementioned data resulted from sampling and analyses carried out for monitoring the compliance of drinking water originating from the EYDAP SA water distribution network with the current legislation. Therefore, EYDAP SA certifies that the quality of drinking water from the distribution network is monitored and complies with the terms expressed in CMD 27829/2023, Hellenic Gazette 3525B/25-5-2023, regarding the “Quality of Water Intended for Human Consumption” in compliance with the European Parliament and Council Directive EU 2020/2184 of 16 December 2020.