

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

EYDAP SA DRINKING WATER QUALITY DATA FOR YEAR 2021

Parameter	Unit	Arithmetic Average Value	Parametric Value (CMD 67322, Hellenic Gazette 3282B/19-9-2017)
Conductivity (25°C)	µS/cm	300	2764, 25°C (2500, 20°C)
Hydrogen Ion Concentration	pH	7,8	6,5-9,5
Turbidity	NTU	0,30	Acceptable to consumers and no abnormal change
Residual Chlorine	mg Cl ₂ /l	0,37	
Aluminium	µg Al/l	97	200
Taste *		1 (acceptable)	Acceptable to consumers and no abnormal change
Odour *		2 (acceptable)	Acceptable to consumers and no abnormal change
Colour	mg Pt/l	0,17	Acceptable to consumers and no abnormal change
Calcium	mg Ca/l	46	
Magnesium	mg Mg/l	5,6	
Hardness (Calculated)	mg CaCO ₃ /l	137	
Alkalinity (Total)	mg CaCO ₃ /l	116	
Ammonium	mg NH ₄ ⁺ /l	N.D.	0,50
Sulphate	mg SO ₄ ²⁻ /l	24	250
Chloride	mg Cl ⁻ /l	9,2	250
Chlorite	ClO ₂ ⁻ mg/l	N.D.	
Chlorate	ClO ₃ ⁻ mg/l	0,04	
Nitrate	mg NO ₃ ⁻ /l	0,8	50
Nitrite	mg NO ₂ ⁻ /l	N.D.	0,10
NITRITE/3 + NITRATE/50	mg/l	0,02	1

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Fluoride	mg F ⁻ /l	0,11	1,5
Phosphate	mg PO ₄ ³⁻ /l	0,011	
Cyanide	µg CN ⁻ /l	N.D.	50
Bromate	µg BrO ₃ ⁻ /l	N.D.	10
Sodium	mg Na/l	6,6	200
Potassium	mg K/l	1,0	
Silver	µg Ag/l	N.D.	
Arsenic	µg As/l	1,5	10
Barium	µg Ba/l	31,4	
Boron	µg B/l	12,4	1000
Cadmium	µg Cd/l	0,17	5
Total Chromium	µg Cr/l	N.D.	50
Copper	µg Cu/l	7,6	2000
Iron	µg Fe/l	12,8	200
Mercury	µg Hg/l	0,08	1
Manganese	µg Mn/l	0,74	50
Nickel	µg Ni/l	2,2	20
Lead	µg Pb/l	1,2	10
Antimony	µg Sb/l	N.D.	5
Selenium	µg Se/l	N.D.	10
Tin	µg Sn/l	0,8	
Zinc	µg Zn/l	27	

Parameter	Unit	Arithmetic Average Value	Parametric Value (CMD 67322, Hellenic Gazette 3282B/19-9-2017)
Dissolved Organic Carbon (DOC)	mg/l	1,2	No abnormal change
Chloroform (CHCl ₃)	µg/l	20,7	
Dichlorobromomethane (CHBrCl ₂)	µg/l	5,6	
Dibromochloromethane (CHBr ₂ Cl)	µg/l	0,99	
Bromoform (CHBr ₃)	µg/l	0,02	
Total Trihalomethanes	µg/l	27,3	100
Trichloroethylene	µg/l	N.D.	10 (Sum of two substances)
Tetrachloroethylene	µg/l	N.D.	
SUM of Trichloroethylene & Tetrachloroethylene	µg/l	N.D.	10
1,1,2,2-tetrachloroethane	µg/l	N.D.	
1,1,2-trichloroethane	µg/l	N.D.	
1,1-dichloroethane	µg/l	N.D.	
1,1-dichloroethene	µg/l	N.D.	
1,2,3-trichlorobenzene	µg/l	N.D.	
1,2,4-trichlorobenzene	µg/l	N.D.	
1,2-dibromo-3-chloropropane	µg/l	N.D.	
1,2-dibromoethane	µg/l	N.D.	
1,2-dichloroethane	µg/l	N.D.	3
1,2-dichloropropane	µg/l	N.D.	

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1,3-dichloropropane	µg/l	N.D.	
2-ethoxy-2-methyl-propane	µg/l	N.D.	
2-methoxy-2-methyl-butane	µg/l	N.D.	
Bromochloromethane	µg/l	N.D.	
Dibromomethane	µg/l	N.D.	
n-propylbenzene	µg/l	N.D.	
o-xylene	µg/l	N.D.	
p- and m- xylene	µg/l	N.D.	
sec-butylbenzene	µg/l	N.D.	
Styrene	µg/l	N.D.	
tert-butylbenzene	µg/l	N.D.	
Fluorene	µg/l	N.D.	
Acenaphthylene	µg/l	N.D.	
Acenaphthene	µg/l	N.D.	
Anthracene	µg/l	N.D.	
Fluoranthene	µg/l	N.D.	
Phenanthrene	µg/l	N.D.	
Pyrene	µg/l	N.D.	

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Benz(a)anthracene	µg/l	N.D.	
Chrysene	µg/l	N.D.	
Dibenz(a,h)anthracene	µg/l	N.D.	
Benzene	µg/l	N.D.	1
Bromobenzene	µg/l	N.D.	
Chlorobenzene	µg/l	N.D.	
Ethylbenzene	µg/l	N.D.	
n-butylbenzene	µg/l	N.D.	
Naphthalene	µg/l	N.D.	
Toluene	µg/l	N.D.	
Hexachlorobutadiene	µg/l	N.D.	
Dichlobenil	µg/l	N.D.	0,10
Desethyl-terbuthylazine	µg/l	N.D.	0,10
Terbuthylazine	µg/l	N.D.	0,10
Propyzamide	µg/l	N.D.	0,10
Methyl Parathion	µg/l	N.D.	0,10
Terbutryn	µg/l	N.D.	0,10
Metolachlor	µg/l	N.D.	0,10
Aldrin	µg/l	N.D.	0,03
Parathion	µg/l	N.D.	0,10

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Isodrin	µg/l	N.D.	0,10
Carfentrazone ethyl	µg/l	N.D.	0,10
α-BHC	µg/l	N.D.	0,10
β-BHC	µg/l	N.D.	0,10
LINDANE	µg/l	N.D.	0,10
δ-BHC	µg/l	N.D.	0,10
HEPTACHLOR	µg/l	N.D.	0,03
HEPTACHLOR EPOXIDE	µg/l	N.D.	0,03
β-ENDOSULFAN	µg/l	N.D.	0,10
DIELDRIN	µg/l	N.D.	0,03
op'-DDD	µg/l	N.D.	0,10
pp'-DDD	µg/l	N.D.	0,10
op'-DDE	µg/l	N.D.	0,10
pp'-DDE	µg/l	N.D.	0,10
op'-DDT	µg/l	N.D.	0,10
Total Pesticides	µg/l	N.D.	0,50
1,12 Benzoperylene	µg/l	N.D.	
Benzo(b)fluoranthene	µg/l	N.D.	
Benzo(k)fluoranthene	µg/l	N.D.	
Indeno(1,2,3-cd) pyrene	µg/l	N.D.	
SUM of PAH except Benzo(a)pyrene	µg/l	N.D.	0,10
Benzo(a) pyrene	µg/l	N.D.	0,010

Parameter	Unit	Arithmetic Average Value	Parametric Value (CMD 67322, Hellenic Gazette 3282B/19-9-2017)
Vinyl chloride	µg/l	N.D.	0,50
Acrylamide	µg/l	N.D.	0,10
Epichlorohydrin	µg/l	N.D.	0,10
Gross alpha activity	Bq/l	N.D.	
Gross beta activity	Bq/l	N.D.	
Radioactivity (total indicative dose)**	mSv/year	<0,10	0,10**
Total Coliforms	cfu/100ml	0	0
Escherichia coli (E. coli)	cfu/100ml	0	0
Enterococci	cfu/100ml	0	0
Clostridium perfringens (including spores)	cfu/100ml	0	0
Colony Count 22° C	cfu/ml	0	No abnormal change
Colony Count 36° C	cfu/ml	0	No abnormal change

* Taste and odour are organoleptically tested with the value of 1 denoting a threshold value and the value of 2 denoting a slight presence of odorous compounds.

** The parametric value of the indicative dose is derived from the National Legislation ΚΥΑ Π/112/1057/2016 Hellenic Gazette 241B/9-2-2016

For microbiological parameters, the median is used as a measure of central tendency..

N.D NOT DETECTED.

The aforementioned data resulted from 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 67322, Hellenic Gazette 3282B/19-9-2017 regarding the "Quality of Water Intended for Human Consumption" in compliance with the European Council Directive 98/83/EC of 3 November 1998, as amended and currently in force.