

DISTRIBUTED WATER - AVERAGE RESULTS YEAR 2019

Parameter	Unit	Norm	Average Year	
			AWW-PST	AWW-PB
Part A: Microbiological parameters				
Escherichia coli (E. coli)	kve/100ml	0	< 1	< 1
Fecal streptococci	kve/100ml	0	< 1	< 1
Part B: chemical parameters				
Antimony	µg/l	5	< 0,5	< 0,5
Arsenic	µg/l	10	< 1,0	< 1,0
Benzene	µg/l	1	< 0,10	< 0,10
Benzo(a)pyrene	µg/l	0,01	< 0,0050	< 0,0050
Boron	mg/l	1	0,033	0,061
Bromate	µg/l	10	< 0,5	< 0,5
Cadmium	µg/l	5	0,16	< 0,10
Chromium	µg/l	50	< 1,0	< 1,0
Copper	mg/l	2	0,003	0,008
Cyanide	µg/l	50	< 2	< 2
1,2-Dichloorethane	µg/l	3	< 0,10	< 0,10
Fluorides	mg/l	1,5	0,34	0,16
Lead	µg/l	10	< 0,5	< 0,5
Mercury	µg/l	1	< 0,04	< 0,04
Nickel	µg/l	20	2	< 1,0
Nitrates	mg/l	50	10,4	2,1
Nitrites	mg/l	0,1	< 0,02	< 0,02
Pesticides total	µg/l	0,5	NA	NA
Atrazine	µg/l	0,1	< 0,020	< 0,020
Simazine	µg/l	0,1	< 0,020	< 0,020
Terbutylazine	µg/l	0,1	< 0,020	< 0,020
Chloortoluron	µg/l	0,1	< 0,020	< 0,020
Diuron	µg/l	0,1	< 0,020	< 0,020
Isoproturon	µg/l	0,1	< 0,020	< 0,020
Polycyclic aromatic Hydrocarbons	µg/l	0,1	NA	NA
Selenium	µg/l	10	< 1,0	< 1,0
Tetra- and trichloro ethenes	µg/l	10	NA	NA
Trihalomethanes - total	µg/l	100	26	1
Bromodichloromethane	µg/l	60	2,7	< 0,1
Styrene	µg/l	20	< 0,10	< 0,10
Xylene	µg/l	500	NA	NA
Trichlorobenzenes -total	µg/l	20	NA	NA
Part C: Indicator parameters				
Aluminium	µg/l	200	37	6
Ammonium	mg/l	0,5	< 0,02	< 0,02
Chlorides	mg/l	250	59	15
Clostridium perfringens (+spores)	kve/100ml	0	< 1	< 1
Colour	mg/l Pt-Co	GAV	< 3	5
Conductivity	µS/cm-20°	2100 ; GAV	539	374
hydrogen ion concentration	pH	≥6,5 en ≤9,2	8,23	8,23
Iron	µg/l	200	< 10	< 10
Manganese	µg/l	50	< 2	< 2
Odour	-	GAV	Afwezig	Afwezig
Sulphates	mg/l	250	60	7
Sodium	mg/l	200	42	12
Taste	-	GAV	Afwezig	Afwezig
Total bacteria count 22°C	kve/ml	GAV	4	12
Total Coliforms	kve/100ml	0	< 1	< 1
Total organic carbon (TOC)	mg/l	GAV	1,8	2,3
Turbidity	NTU	GAV	< 0,2	< 0,2
Residual chlorine (free)	µg/l	250	177	< 49
Temperature	°C	25	14	12

Part D: Extra parameters				
Calcium	mg/l	270	62	64
Magnesium	mg/l	50	8	4
Phosphorus	µgP/l		< 100	< 100
Potassium	mg/l		4,9	6,8
Total hardness	°F	15 - 67,5	18,4	18,3
Zinc	µg/l	5000	7	< 5
<p>Legend</p> <p>Norm Besluit Vlaamse regering 13/12/2002 - water for human consumption</p> <p>GAV No abnormal change and acceptable for the consumer</p> <p>NA Not detectable</p> <p>AWW-PST Antwerpen (centrum, noord, zuid, linkeroever, rechteroever), Berchem, Boechout, Borgerhout, Burcht, Deurne, Edegem, Ekeren, Kapellen, Hoboken, Hove, Kontich, Lillo, Merksem, Mortsel, Wilrijk, Zwijndrecht</p> <p>AWW-PB Zandvliet, Berendrecht</p> <p>Units kve/100 ml colony forming units per 100 millilitre µg/l micrograms per litre mg/l milligrams per litre mg/l Pt-Co milligrams per litre on platinum- and Cobalt scale µS/cm - 20°C micro Siemens per centimetre by 20° Celsius pH hydrogen ion concentration NTU nefelometric turbidity unit °C degrees Celsius °F French degree (hardness) µgP/l microgram phosphorus per litre</p> <p>Hardness 1 degree French = 0,56 degree German = 0,7 degree English = 10 mg CaCO₃ (calcium carbonate) per litre = 4 mg calcium per litre</p> <p>afwezig absent</p>				
Concerning delivery area off water-link.				