

DISTRIBUTED WATER - AVERAGE RESULTS YEAR 2020

Parameter	Unit	Norm	Average Year	
			AWW-PST	AWW-PB
		Besluit-Vl.Ex.		
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	< 0,50	< 0,50
Arsenic	µg/l	10	< 1,00	< 1,00
Benzene	µg/l	1	< 0,10	< 0,10
Benzo(a)pyrene	µg/l	0,01	< 0,0050	< 0,0050
Boron	mg/l	1	0,032	0,061
Bromate	µg/l	10	0,7	< 0,5
Cadmium	µg/l	5	< 0,30	< 0,30
Chromium	µg/l	50	< 1,0	< 1,0
Copper	mg/l	2	< 0,010	< 0,010
Cyanide	µg/l	50	< 2	< 2
1,2-Dichloorethane	µg/l	3	< 0,10	< 0,10
Fluorides	mg/l	1,5	0,33	0,15
Lead	µg/l	10	< 0,5	< 0,5
Mercury	µg/l	1	< 0,040	< 0,040
Nickel	µg/l	20	1,89	< 1,00
Nitrates	mg/l	50	10	2
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	< 1,00	< 1,00
Tetra- and trichloro ethenes	µg/l	10	NA	NA
Trihalomethanes - total	µg/l	100	23,1	1,1
Bromodichloromethane	µg/l	60	1,4	< 0,1
Styrene	µg/l	20	< 0,10	< 0,10
Xylene	µg/l	500	NA	NA
Trichlorobenzenes -total	µg/l	20	NA	NA
Chlorate	µg/l	700	94	64
Chlorite	µg/l	700	< 50	< 50
Part C: Indicator parameters				
Aluminium	µg/l	200	40	< 10
Ammonium	mg/l	0,5	< 0,020	< 0,020
Chlorides	mg/l	250	53	14
Clostridium perfringens (+spores)	kve/100ml	0	< 1	< 1
Colour	mg/l Pt-Co	GAV	< 3	5
Conductivity	µS/cm-20°	2100 ; GAV	513	376
hydrogen ion concentration	pH	≥6,5 en ≤9,2	8	8,19
Iron	µg/l	200	< 40	< 40
Manganese	µg/l	50	< 2	< 2
Odour	-	GAV	Afwezig	Afwezig
Sulphates	mg/l	250	57	8
Sodium	mg/l	200	39	12
Taste	-	GAV	Afwezig	Afwezig
Total bacteria count 22°C	kve/ml	GAV	1	< 1
Total Coliforms	kve/100ml	0	< 1	< 1
Total organic carbon (TOC)	mg/l	GAV	1,8	2,2
Turbidity	NTU	GAV	< 0,2	< 0,2
Residual chlorine (free)	µg/l	250	167	< 49
Temperature	°C	25	14,3	12,1
Stability index	-	> -0,5	0,35	0,69

Part D: Extra parameters				
Calcium	mg/l	270	62	65
Magnesium	mg/l	50	7,5	4,4
Phosphorus	µgP/l		< 100	< 100
Potassium	mg/l		4,5	6,9
Total hardness	°F	15 - 67,5	18,5	17,9
Zinc	µg/l	5000	< 10	< 10

Legend

Norm Besluit Vlaamse regering 13/12/2002 - water for human consumption
GAV No abnormal change and acceptable for the consumer
NA Not detectable

AWW-PST Antwerpen (centrum, noord, zuid, linkeroever, rechteroever),
Berchem, Boechout, Borgerhout, Burcht, Deurne, Edegem, Ekeren, Kapellen,
Hoboken, Hove, Kontich, Lillo, Merksem, Mortsel, Wilrijk, Zwijndrecht

AWW-PB Zandvliet, Berendrecht

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
Hardness 1 degree French = 0,56 degree German = 0,7 degree English =
10 mg CaCO₃ (calcium carbonate) per litre = 4 mg calcium per litre
afwezig absent

Concerning delivery area off water-link.