

## DISTRIBUTED WATER - AVERAGE RESULTS YEAR 2016

Parameter	Unit	Norm	Average Year 2016	
			AWW-PST	AWW-PB
<b>Part A: Microbiological parameters</b>				
Escherichia coli (E. coli)	kve/100ml	0	< 1	< 1
Fecal streptococci	kve/100ml	0	< 1	< 1
<b>Part B: chemical parameters</b>				
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	0,037	0,057
Bromate	µg/l	10	< 5,0	< 5,0
Cadmium	µg/l	5	0,17	< 0,10
Chromium	µg/l	50	< 1,0	< 1,0
Copper	mg/l	2	0,004	0,007
Cyanide	µg/l	50	< 2	< 2
1,2-Dichloorethane	µg/l	3	< 0,10	< 0,10
Fluorides	mg/l	1,5	0,29	0,16
Lead	µg/l	10	< 0,1	< 0,1
Mercury	µg/l	1	< 0,04	< 0,04
Nickel	µg/l	20	1,6	< 1,0
Nitrates	mg/l	50	11,7	1,9
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	26,7	1,5
Bromodichloromethane	µg/l	60	3,4	< 0,1
Styrene	µg/l	20	< 0,10	< 0,10
Xylene	µg/l	500	NA	NA
Trichlorobenzenes -total	µg/l	20	NA	NA
<b>Part C: Indicator parameters</b>				
Aluminium	µg/l	200	34	3
Ammonium	mg/l	0,5	< 0,02	< 0,02
Chlorides	mg/l	250	43	19
Clostridium perfringens (+spores)	kve/100ml	0	< 1	< 1
Colour	mg/l Pt-Co	GAV	< 3	< 3
Conductivity	µS/cm-20°	2100 ; GAV	479	388
hydrogen ion concentration	pH	≥6,5 en ≤9,2	8	8,1
Iron	µg/l	200	< 10	< 10
Manganese	µg/l	50	< 1	< 1
Odour	-	GAV	Afwezig	Afwezig
Sulphates	mg/l	250	51	22
Sodium	mg/l	200	31	14
Taste	-	GAV	Afwezig	Afwezig
Total bacteria count 22°C	kve/ml	GAV	2	2
Total Coliforms	kve/100ml	0	< 1	< 1
Total organic carbon (TOC)	mg/l	GAV	2	2
Turbidity	NTU	GAV	< 0,2	< 0,2
Residual chlorine (free)	µg/l	250	205	< 49
Temperature	°C	25	13,6	11,6

Part D: Extra parameters				
Calcium	mg/l	270	61	63
Magnesium	mg/l	50	7,2	4,6
Phosphorus	µgP/l		32,98	35,73
Potassium	mg/l		4	6,4
Total hardness	°F	15 - 67,5	18,3	17,6
Zinc	µg/l	5000	7	< 5

**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 CaCO<sub>3</sub> (calcium carbonate) per litre = 4 mg calcium per litre  
afwezig absent

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Concerning delivery area off water-link.