

ONE WATER

B R E W I N G S H O W C A S E

How does Scottsdale's advanced treated recycled water measure up to bottled water?

Scottsdale's state-of-the-art water quality lab subjected a leading bottled water brand to the same testing standards used for the recycled water produced at the Advanced Water Treatment Plant. The following list includes testing results for everything that was detected in either water. The table on the reverse lists over 100 additional substances that were tested for and not detected – down to at least the part per million – in either water.

ANALYTE	ADVANCED TREATED RECYCLED WATER	BOTTLED WATER	ANALYSIS UNIT
Alkalinity, Total	22	144	mg/L
Barium, Ba	0.0025	0.0198	mg/L
Boron, B	0.20	Not Detected	mg/L
Calcium Hardness (CaCO ₃)	2	105	mg/L
Calcium, Ca	3	42.1	mg/L
Chloride	36	Not Detected	mg/L
Conductivity	62.2	292	µmho/cm
Gross Alpha	Not Detected	1.6	pCi/L
Magnesium, Mg	1	6.7	mg/L
Nitrate, NO ₃	1.2 *	0.5	mg/L
pH	5.4 **	6.39	Std. units
Potassium, K	2	2	mg/L
Radium 226	Not Detected	<0.4	pCi/L
Radium 228	Not Detected	<0.7	pCi/L
Radium, Combined	Not Detected	<0.7	pCi/L
Residue, Total Dissolved	30	172	mg/L
Silica, As SiO ₂	Not Detected	19.9	mg/L
Sodium, Na	34	9	mg/L
Strontium, Sr	0.03	0.196	mg/L
Sulfate, SO ₄	12	10	mg/L
Total Hardness	11	133	mg/L
Total Trihalomethanes	20 **	Not Detected	µg/L
Turbidity	0.1	0.19	NTU
Uranium, Isotopic	Not Detected	0.0032	µg/L
Asbestos	Not Detected	Not Tested	
Cryptosporidium	Not Detected	Not Tested	
Giardia	Not Detected	Not Tested	
Virus as coliphage	Not Detected	Not Tested	

* The EPA maximum contaminant level for nitrate in drinking water is 10 mg/L.

** pH was not adjusted prior to delivery to allow individual breweries flexibility for their specific brewing processes.

*** The EPA maximum contaminant level for TTHMs in drinking water is 80 µg/L.

1,1,1-Trichloroethane	Chromium, Cr	Molybdenum, Mo
1,1,2-Trichloroethane	cis-1,2-Dichloroethene	Nickel, Ni
1,1-Dichloroethene	Cobalt, Co (Non-compliance)	Nitrite, NO2
1,2,4-Trichlorobenzene	Copper, Cu	Nitrogen, Total
1,2-Dichlorobenzene	Cotinine	Nitrogen, Total Kjeldahl, TKN
1,2-Dichloroethane	Cyanide, Total	N-Nitrosodimethylamine
1,2-Dichloropropane	Dalapon	Orthophosphate as P
1,4-Dichlorobenzene	DEET	Oxamyl
1,4-Dioxane	Di(2-ethylhexyl)adipate	o-Xylene
2,3,7,8-TCDD (Dioxin)	Di(2-ethylhexyl)phthalate	Paraquat
2,4,5-T	Dibromochloromethane	PCB 1016 Aroclor
2,4,5-TP (Silvex)	Dibromochloropropane (DBCP)	PCB 1221 Aroclor
2,4-D	Dicamba	PCB 1232 Aroclor
2,4-DB	Dichlorprop	PCB 1242 Aroclor
3,5-Dichlorobenzoic acid	Dieldrin	PCB 1248 Aroclor
3-Hydroxycarbofuran	Dinoseb	PCB 1254 Aroclor
Acifluorfen	Diquat	PCB 1260 Aroclor
Alachlor	E. coli	Pentachlorophenol
Aldicarb	Endothall	Perfluorooctanesulfonic acid
Aldicarb Sulfone	Endrin	Perfluorooctanoic acid (PFOA)
Aldicarb Sulfoxide	Estradiol	Picloram
Aldrin	Estrone	Primidone
Aluminum, Al	Ethinylestradiol	Selenium, Se
Antimony, Sb	Ethylbenzene	Simazine
Arsenic, As	Ethylene Dibromide (EDB)	Styrene
Atrazine	Fluoride, F	Sucralose
Baygon	Glyphosate	Tetrachloroethene
Bentazon	Heptachlor	Thallium, Tl
Benzene	Heptachlor Epoxide	Thiobencarb (ELAP)
Benzo(a)pyrene	Hexachlorobenzene	Thorium, Th
Beryllium, Be	Hexachlorocyclopentadiene	Toluene
Bromate	Iron, Fe	Total coliform
Bromodichloromethane	Lead, Pb	Total DCPA Mono and Di acid Degradate
Bromoform	Lindane (gamma-BHC)	Total PCBs
Cadmium, Cd	m&p Xylenes	Toxaphene
Carbamazepine	Manganese, Mn	trans-1,2-Dichloroethene
Carbaryl	Meprobamate	Trichloroethene
Carbofuran	Mercury, Hg	Triclosan
Carbon tetrachloride	Methoxychlor	Turbidity
Carbon, Total Organic, TOC	Methiocarb	Vanadium, V
Chlorade	Methomyl	Vinyl chloride
Chlorobenzene	Methylene chloride	Xylenes, Total
Chloroform	Molinate	Zinc, Zn