

## **Data Summary Tables for Albion Water (ALB)**

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at [www.dwi.gov.uk](http://www.dwi.gov.uk)

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

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Table ALB 1: Quality of water at consumer's tap (zones) - European Standards

Number of zones = 1

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	4	0	<0.08	<0.12	0
Antimony	5 µg Sb/l	4	0	<0.24	0.29	0
Arsenic	10 µg As/l	4	0	<0.5	<0.5	0
Benzene	1 µg/l	4	0	<0.06	<0.15	0
Benzo (a) Pyrene	0.01 µg/l	4	0	<0.001	<0.001	0
Boron	1 mg B/l	4	0	0.019	0.025	0
Bromate	10 µg BrO <sub>3</sub> /l	4	0	<0.6	<0.8	0
Cadmium	5 µg Cd/l	4	0	<0.23	<0.23	0
Chromium	50 µg Cr/l	4	0	<0.34	0.51	0
Copper	2 mg Cu/l	4	0	0.011	0.033	0
Cyanide	50 µg CN/l	4	0	<0.4	1.7	0
<i>E. coli</i>	0 number/100 ml	12	0	0	0	0
Enterococci	0 number/100 ml	4	0	0	0	0
Fluoride	1.5 mg F/l	4	0	<0.04	0.05	0
Lead	25 µg Pb/l	4	0	<1	<1	0
Mercury	1 µg Hg/l	4	0	<0.015	0.029	0
Nickel	20 µg Ni/l	4	0	<1.4	2.7	0
Nitrate	50 mg NO <sub>3</sub> /l	4	0	6.81	14.8	0
Nitrite	0.5 mg NO <sub>2</sub> /l	4	0	<0.002	0.004	0
Nitrate/Nitrite Formula	≤ 1	4	0	0.138	0.297	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	4	0	0	0	0
Selenium	10 µg Se/l	4	0	<0.44	<0.44	0
Tetrachloroethene/Trichloroethene	10 µg/l	4	0	0	0	0
Trihalomethanes (THMs)	100 µg/l	4	0	41.4	85	0
Pesticides (2,3,6-Tba)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (2,4,5-T)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (2,4,-Db)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (2,4-D)	0.1 µg/l	4	0	<0.003	0.017	0
Pesticides (Aldrin)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Alpha-HCH)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Ametryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Atrazine)	0.1 µg/l	4	0	<0.001	0.008	0
Pesticides (Azinphos methyl)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Bentazone)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Beta-HCH)	0.1 µg/l	4	0	<0.002	<0.002	0

Pesticides (Bromacil)	0.1 µg/l	4	0	<0.012	<0.012	0
Pesticides (Bromoxynil)	0.1 µg/l	4	0	<0.001	0.002	0
Pesticides (Carbophenothion)	0.1 µg/l	4	0	<0.007	<0.007	0
Pesticides (Chlordane-Alpha)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Chlorfenvinphos)	0.1 µg/l	4	0	<0.009	<0.009	0
Pesticides (Chlorothalonil)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Chlortoluron)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Clopyralid)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Cyfluthrin)	0.1 µg/l	4	0	<0.04	<0.04	0
Pesticides (Cypermethrin)	0.1 µg/l	4	0	<0.04	<0.04	0
Pesticides (Delta-HCH)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Deltamethrin)	0.1 µg/l	4	0	<0.02	<0.02	0
Pesticides (Demeton-S-Methyl)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Diazinon)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Dicamba)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Dichlobenil)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Dichlorprop)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Dichlorvos)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Dieldrin)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Diflufenican)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Dimethoate)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Diuron)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Endosulfan A (alpha-Endosulfan))	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Endosulfan B (beta-Endosulfan))	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Endrin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (EPTC)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Fenitrothion)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Fenpropimorph)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (Fenvalerate)	0.1 µg/l	4	0	<0.02	<0.02	0
Pesticides (Fluroxypyr)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Flutriafol)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Heptachlor)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	4	0	<0.002	<0.002	0
Pesticides (Hexachlorobenzene)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Hexachlorobutadiene)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Ioxynil)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Isodrin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Isoproturon)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Linuron)	0.1 µg/l	4	0	<0.007	<0.007	0
Pesticides (Malathion)	0.1 µg/l	4	0	<0.009	<0.009	0

Pesticides (MCPA)	0.1 µg/l	4	0	<0.002	0.008	0
Pesticides (MCPB)	0.1 µg/l	4	0	<0.006	<0.006	0
Pesticides (MCP(Prop))	0.1 µg/l	4	0	<0.001	0.004	0
Pesticides (Metazachlor)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Methoxychlor)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Mevinphos)	0.1 µg/l	4	0	<0.007	<0.007	0
Pesticides (op-DDD (TDE))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (op-DDE)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (op-DDT)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Parathion (Parathion ethyl))	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (PCB - Arochlor 1254)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Pendimethalin)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Permethrin-cis)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Permethrin-trans)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Phorate)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (Phosalone)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Pirimicarb)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Pirimiphos Methyl)	0.1 µg/l	4	0	<0.005	<0.005	0
Pesticides (pp-DDD (TDE))	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (pp-DDE)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (pp-DDT)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Prometryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Propazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Propetamphos)	0.1 µg/l	4	0	<0.004	<0.004	0
Pesticides (Propiconazole)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Propyzamide)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Simazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Tecnazene)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Terbutryn)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Triadimefon)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Tri-allate)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Triazophos)	0.1 µg/l	4	0	<0.008	<0.008	0
Pesticides (Trichlopyr)	0.1 µg/l	4	0	<0.004	0.005	0
Pesticides (Trichlorobenzene)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Trietazine)	0.1 µg/l	4	0	<0.001	<0.001	0
Pesticides (Trifluralin)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides - Total Substances	0.5 µg/l	4	0	0	0.027	0
<b>TOTAL</b>	-	<b>460</b>	<b>0</b>	-	-	-

**Table ALB 2: Quality of water at consumer's tap (zones) - National Standards**

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	4	0	<5	31	0
Colour	20 mg/l Pt/Co scale	4	0	<0.7	1.7	0
Hydrogen ion (pH)	6.5 - 10 pH value	4	0	7.73	8.5	0
Iron	200 µg Fe/l	4	0	<7	8	0
Manganese	50 µg Mn/l	4	0	<1.5	<1.5	0
Organoleptic Odour	Dilution No. 3 at 25°C	4	0	0	1	0
Organoleptic Taste	Dilution No. 3 at 25°C	4	0	0	1	0
Sodium	200 mg Na/l	4	0	28	46	0
Tetrachloromethane	3 µg/l	4	0	<0.02	<0.04	0
Turbidity	4 NTU	4	0	<0.05	0.11	0
<b>TOTAL</b>	-	<b>40</b>	<b>0</b>	-	-	-

**Table ALB 3: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements**

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH <sub>4</sub> /l	4	0	<0.021	0.029
Chloride	250 mg Cl/l	4	0	23.5	42.9
<i>Clostridium perfringens</i>	0 number/100 ml	4	0	0	0
Coliform Bacteria	0 number/100 ml	12	0	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	12	0	<1	69
Colony Counts After 48 Hours At 37°C	No abnormal change	12	0	<1	47
Conductivity	2500 µS/cm	4	0	251	390
Hydrogen ion (pH)	9.5 pH Value	4	0	7.73	8.5
Radioactivity - Gross Alpha	0.1 Bq/l	4	0	<0.014	<0.033
Radioactivity - Gross Beta	1 Bq/l	4	0	0.017	0.192
Radioactivity - Tritium	100 Bq/l	4	0	<1.9	<3.3
Residual Disinfectant - Free	No abnormal change	12	0	<0.1	0.1
Residual Disinfectant - Total	No abnormal change	12	0	0.1	0.3
Sulphate	250 mg SO <sub>4</sub> /l	4	0	52.3	73.4
Total Organic Carbon (TOC)	No abnormal change	4	0	1.56	2.49
<b>TOTAL</b>	-	<b>100</b>	<b>0</b>	-	-