

## **Data Summary Tables for Cholderton and District Water (CHO)**

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 CHO 1: Quality of water leaving service treatment works - European Standards

Number of treatment works = 1

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO <sub>2</sub> /l	7	0	<0.01	<0.01	0
<b>TOTAL</b>	-	<b>7</b>	<b>0</b>	-	-	-

Table CHO 2: Quality of water leaving service treatment works - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	52	0	0	0	0
<i>E. coli</i>	0 number/100 ml	52	0	0	0	0
<b>TOTAL</b>	-	<b>104</b>	<b>0</b>	-	-	-

Table CHO 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	52	0	0	3
Colony Counts After 48 Hours At 37°C	No abnormal change	52	0	0	3
Residual Disinfectant - Free	No abnormal change	54	0	0.1	1.34
Residual Disinfectant - Total	No abnormal change	54	0	0.12	1.35
Turbidity	1 NTU	54	0	<0.25	0.56
<b>TOTAL</b>	-	<b>266</b>	<b>0</b>	-	-

**Table CHO 4: Quality of water leaving service reservoirs - National Standards**

Number of service reservoirs = 1

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	52	0	0	0	0
<i>E. coli</i>	0 number/100 ml	52	0	0	0	0
<b>TOTAL</b>	-	<b>104</b>	<b>0</b>	-	-	-

**Table CHO 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements**

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	52	0	320
Colony Counts After 48 Hours At 37°C	No abnormal change	52	0	2
Residual Disinfectant - Free	No abnormal change	52	0.1	1.04
Residual Disinfectant - Total	No abnormal change	52	0.12	1.04
<b>TOTAL</b>	-	<b>208</b>	-	-

Table CHO 6: 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	6	0	<1	<1	0
Arsenic	10 µg As/l	6	0	<1	<1	0
Benzene	1 µg/l	4	0	<0.06	<0.15	0
Benzo (a) Pyrene	0.01 µg/l	4	0	<0.0004	<0.0004	0
Boron	1 mg B/l	6	0	0.062	0.097	0
Bromate	10 µg BrO <sub>3</sub> /l	4	0	1.6	5.1	0
Cadmium	5 µg Cd/l	4	0	<0.1	<0.1	0
Chromium	50 µg Cr/l	6	0	<5	<5	0
Copper	2 mg Cu/l	8	0	0.01	0.09	0
Cyanide	50 µg CN/l	4	0	<0.4	0.5	0
<i>E. coli</i>	0 number/100 ml	13	0	0	0	0
Enterococci	0 number/100 ml	4	0	0	0	0
Fluoride	1.5 mg F/l	4	0	0.06	0.08	0
Lead	25 µg Pb/l	4	0	<1	<1	0
Mercury	1 µg Hg/l	5	0	<0.02	0.05	0
Nickel	20 µg Ni/l	6	0	1.4	2.1	0
Nitrate	50 mg NO <sub>3</sub> /l	13	0	32.921	39.69	0
Nitrite	0.5 mg NO <sub>2</sub> /l	13	0	<0.01	<0.01	0
Nitrate/Nitrite Formula	≤ 1	13	0	0.1	0.2	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	4	0	0	0.0005	0
Selenium	10 µg Se/l	5	0	<0.2	<0.2	0
Tetrachloroethene/Trichloroethene	10 µg/l	4	0	<0.5	<0.5	0
Trihalomethanes (THMs)	100 µg/l	4	0	6.26	14.86	0
Pesticides (2,4-D)	0.1 µg/l	5	0	<0.003	<0.004	0
Pesticides (Aldrin)	0.03 µg/l	4	0	<0.003	<0.003	0
Pesticides (Alpha-HCH)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Atrazine)	0.1 µg/l	4	0	0.048	0.057	0
Pesticides (Chlortoluron)	0.1 µg/l	13	0	<0.007	<0.007	0
Pesticides (Dicamba)	0.1 µg/l	4	0	<0.006	<0.009	0
Pesticides (Dieldrin)	0.03 µg/l	4	0	<0.003	0.006	0
Pesticides (Diuron)	0.1 µg/l	13	0	<0.005	<0.005	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Heptachlor)	0.03 µg/l	4	0	<0.003	<0.003	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	4	0	<0.003	<0.003	0

Pesticides (Isoproturon)	0.1 µg/l	13	0	<0.007	<0.007	0
Pesticides (Linuron)	0.1 µg/l	13	0	<0.006	<0.006	0
Pesticides (MCPA)	0.1 µg/l	4	0	<0.002	<0.003	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	5	0	<0.002	<0.003	0
Pesticides (Methabenzthiazuron)	0.1 µg/l	6	0	<0.007	<0.007	0
Pesticides (Metribuzin)	0.1 µg/l	1	0	<0.007	<0.007	0
Pesticides (pp-DDT)	0.1 µg/l	4	0	<0.002	<0.002	0
Pesticides (Prometryn)	0.1 µg/l	6	0	<0.008	<0.008	0
Pesticides (Propazine)	0.1 µg/l	6	0	<0.003	<0.003	0
Pesticides (Simazine)	0.1 µg/l	6	0	0.009	0.012	0
Pesticides (Terbutryn)	0.1 µg/l	13	0	<0.009	<0.009	0
Pesticides (Tri-allate)	0.1 µg/l	4	0	<0.003	<0.003	0
Pesticides (Trichlopyr)	0.1 µg/l	5	0	<0.005	<0.007	0
Pesticides - Total Substances	0.5 µg/l	14	0	0	0.068	0
<b>TOTAL</b>	-	<b>311</b>	<b>0</b>	-	-	-

**Table CHO 7: 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	8	0	<10	29	0
Colour	20 mg/l Pt/Co scale	4	0	<2	<2	0
Hydrogen ion (pH)	6.5 - 10 pH value	13	0	7.2	7.7	0
Iron	200 µg Fe/l	8	0	<10	20	0
Manganese	50 µg Mn/l	8	0	<5	<5	0
Organoleptic Odour	Dilution No. 3 at 25°C	3	0	0	0	0
Organoleptic Taste	Dilution No. 3 at 25°C	8	0	0	<2	0
Sodium	200 mg Na/l	13	0	14.9	15.7	0
Tetrachloromethane	3 µg/l	4	0	<0.1	<0.1	0
Turbidity	4 NTU	13	0	<0.25	0.27	0
<b>TOTAL</b>	-	<b>82</b>	<b>0</b>	-	-	-

**Table CHO 8: 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	13	0	<0.013	<0.013
Chloride	250 mg Cl/l	13	0	22	27.3
<i>Clostridium perfringens</i>	0 number/100 ml	4	0	0	0
Coliform Bacteria	0 number/100 ml	13	0	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	13	0	0	1
Colony Counts After 48 Hours At 37°C	No abnormal change	13	0	0	1
Conductivity	2500 µS/cm	13	0	445.918	543.605
Hydrogen ion (pH)	9.5 pH Value	13	0	7.2	7.7
Residual Disinfectant - Free	No abnormal change	19	0	0.25	0.83
Residual Disinfectant - Total	No abnormal change	19	0	0.27	0.89
Sulphate	250 mg SO <sub>4</sub> /l	13	0	14	19.9
Total Organic Carbon (TOC)	No abnormal change	4	0	0.9	2.18
<b>TOTAL</b>	-	<b>150</b>	<b>0</b>	-	-