PRODUCT INFORMATION SHEET

WATER TESTING

PROSEP
Private Water Supply Services

The starting point for any water treatment design is a representative water analysis that is complete and accurate.

To remove iron and manganese from a water supply for example it is not just important to know how much iron and manganese is present. Modern medias for treating water for excessive iron and manganese also require us to know the PH level, whether the contaminants are dissolved, is there sufficient oxygen to permit sedimentation, what is the sodium level, etc. For this reason, when we look at a analysing your water we will arrange for a full suite of tests to be carried out, and only by doing this can we be sure that our proposal will work to the levels that we state.

We do not carry out the analysis work in house. We use a fully UKAS accredited laboratory that has the most modern equipment to analyse and report on the water quality.

We will take samples as part of an initial survey, this is not a free service due to the in-depth nature of the report, if you are not local and feel confident in taking your own sample then we courier to you a water test kit which will be collected by a courier and returned directly to the laboratory for analysis.

To assist with future sampling our installations incorporate sampling taps at strategic points. This is for future analysis and fault finding. Where appropriate we fit a raw water and treated water sampling point on all installations.

A typical water analysis report

Certificate of Analysis

UKAS 1314 0897 4409

ALS Environmental

Report Number: **WAK/1667194/2019** Issue **1**
Laboratory Number **17907770** Sample **1** of **1**

Sample Source: **Prosep Filter Services**
Sample Point Description: **Public**
Sample Description:
Sample Matrix: **Drinking Water**

Sample Date: **31 January 2019** Sample Received **31 January 2019** Analysis Complete: **12 February 2019**

Test Description	Result	Units	Limit	Accreditation	Method
Hydrogen ion (pH)	7.53	pH units	6.5 to 9.5	Y Wak	WPC08/40
Conductivity	664	uS/cm	2500	Y Wak	WPC07/40
Turbidity	0.45	NTU	4.00	Y Wak	WPC06/40
Colour	<1.0	mg/l Pt/Co	20	Y Wak	WPC13/40
Ammonium ammonia+ammonium ion	0.005	mg/l	0.5	Y Wak	WPC64
Nitrite as NO2	0.357	mg/l	0.5	Y Wak	WPC64
Nitrate as NO3	38.0	mg/l	50	Y Wak	WPC64
Chloride as Cl	64.2	mg/l	250	Y Wak	WPC64
Aluminium, Total as Al	4.66	ug/l	200	Y Wak	WPC12/49
Calcium, Total as Ca	2.16	mg/l		Y Wak	WPC12/49
Iron, Total as Fe	4.97	ug/l	200	Y Wak	WPC12/49
Magnesium, Total as Mg	0.12	mg/l		Y Wak	WPC12/49
Manganese, Total as Mn	0.70	ug/l	50	Y Wak	WPC12/49
Sodium, Total as Na	183	mg/l	200	Y Wak	WPC12/49
Arsenic, Total as As	0.52	ug/l	10	Y Wak	WPC15
Nickel, Total as Ni	3.71	ug/l	20	Y Wak	WPC15
Hardness, Total as CaCO3	5.91	mg/l		Y Wak	WPC12/49
Total Organic Carbon	2.0	mg/l		Y Wak	WPC67
Total Oxidised Nitrogen as NO3	38.53	mg/l	50	Y Wak	WPC64
Copper, Total as Cu	110	ug/l	2000	Y Wak	WPC15
Lead, Total as Pb	0.09	ug/l	10	Y Wak	WPC15
Bicarbonate as CaCO3	186	mg/l		N Wak	WPC17
Sulphur, Total as SO4	74.2	mg/l	250	Y Wak	WPC12/49
Alkalinity as CaCO3	185.8	mg/l		Y Wak	WPC64
Alkalinity as HCO3	226.5	mg/l		Y Wak	WPC64
TVC, 3Day 22C	>300	cfu/ml		Y Wak	WPM1
TVC, 2Day 37C	67	cfu/ml		Y Wak	WPM1
Escherichia coli, confirmed	0	cfu/100ml	0	Y Wak	WPM4
Total Coliforms, confirmed	0	cfu/100ml	0	Y Wak	WPM4
Total Coliforms, presumptive	0	cfu/100ml	0	Y Wak	WPM4
Escherichia coli, presumptive	0	cfu/100ml	0	Y Wak	WPM4
Faecal Streptococci, presumpti	0	cfu/100ml	0	Y Wak	WPM2
Faecal Streptococci, Confirmed	0	cfu/100ml	0	Y Wak	WPM2
Non Lactose Fermenting B	0	cfu/100ml	100	N Wak	WPM4

ALS Environmental Ltd
Unit 11, Silkwood Park, Janes Hill, Off Albert Drive, Wakefield, WF5 9TG
Tel:+44 (0)1924 818100 Fax:+44 (0)1924 818101

Page 2 of 3

Prosep Filter Services
Unit G19, River Bank Way,
Lowfields Business Park,
Elland,
West Yorkshire HX5 9DN

Phone: 01422 377367

email:
enquiries@privatewatersupplyservices.co.uk

www.privatewatersupplyservices.co.uk

for all your Private Water Supply requirements