



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive

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Lab Ref Number: W2835-2013

Date Printed: 12/06/2013

DRINKING WATER REGULATIONS S.I. No. 278 OF 2007:- AUDIT MONITORING (Chemical Analysis)

Name of Supply: Private Authority Private  
Sampling Point: Pump House **Raw water**  
Requested by: Michael Murphy

Receipt Number W128485

Date & Time Sampled 29/05/2013 00:00:00 Date Received: 29-May-2013

REPORT TO: Michael Murphy  
Caheradoo  
Kilcolgan  
Co. Galway

**RAW WATER SAMPLE**

Test No.	Parameter	Parametric Value	Method No.	Units	Result	Date Tested
38	*Odour	Acceptable to consumers and no abnormal change.	2/3		None Detected	30/05/2013
3	Colour Pt-Co		2/6	mg/L	3.1	
46	Turbidity		2/7	NTU	0.6	
5	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.1	
34	Conductivity @ 20°C	2500	2/8	µS/cm	602	
29	Aluminium as Al	200	2/46	µg/L	119	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	6.6	
21	Nitrite as NO <sub>2</sub>	0.50	2/37	mg/L	<0.02	
30	Ammonium as NH <sub>4</sub>	0.30	2/37	mg/L	<0.03	
36	Iron as Fe	200	2/46	µg/L	26	
37	Manganese as Mn	50	2/46	µg/L	<20	
12	Copper as Cu	2	2/46	mg/L	<0.04	
10	Cadmium as Cd	5	2/46	µg/L	<1.0	
17	Lead as Pb	25	2/46	µg/L	<4.0	
5	Arsenic as As	10	2/46	µg/L	<4.0	
11	Chromium as Cr	50	2/46	µg/L	<4.0	
19	Nickel as Ni	20	2/46	µg/L	<4.0	
25	Selenium as Se	10	2/46	µg/L	<4.0	
8	Boron as B	1.0	2/46	mg/L	<0.02	
	Zinc as Zn		2/46	mg/L	<0.04	
4	*Antimony as Sb	5.0	2/46	µg/L	<1	
	*Total Hardness as CaCO <sub>3</sub>		2/42	mg/L	368	
	*Total Alkalinity as CaCO <sub>3</sub>		2/43	mg/L	344	

\*Remarks

The chemical analysis denotes excessively hard water. The parameters analysed comply with the Drinking Water Regulation limits.



*Christopher Laffey*

Dr. Christopher Laffey  
Executive Analytical Chemist

Report Status: Authorised

\*Denotes a non-accredited Test.

Note 1: This report shall not be reproduced except in full, without written approval of the laboratory  
Note 2: This test report relates only to the sample tested.  
Note 3: Any opinion, remarks and/or interpretations expressed above are outside the scope of accreditation  
Note 4: The parametric value for Nitrite is 0.10 mg/L when the sample is taken at the Water Treatment Works

Blue type indicates a result that does not comply with the Parametric Value or Range & is outside the scope of accreditation.

Red type indicates a result that does not comply with the Parametric Value or Range.