



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

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Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Date Printed: 04/02/2016

Lab Ref Number: W436-2016

Drinking Water Regulations S.I. No. 122 of 2014:- AUDIT MONITORING (Chemical Analysis)

Name of Supply: Private Authority Private
Sampling Point: Kiltiernan GWS, Raw Water
Requested by: Michael J Murphy

Receipt Number Paid

Date & Time Sampled 28/01/2016 12:30:00 Date Received: 28-January-2016

REPORT TO: Michael J Murphy
C/o Kiltiernan GWS
Caheradoo
Kilcolgan
Co. Galway

Test No.	Parameter	Parametric Value	Method No.	Units	Result	Date Tested
38*	Odour	Acceptable to consumers and no abnormal change.	2/3		None detected	28/01/2016
33	Colour Pt-Co		2/6	mg/L	4.5	
46	Turbidity		2/7	NTU	0.3	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.3	
34	Conductivity @ 20°C	2500	2/8	µS/cm	541	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	6.7	
21	Nitrite as NO ₂	0.50	2/37	mg/L	<0.02	
30	Ammonium as NH ₄	0.30	2/37	mg/L	<0.03	
36	Iron as Fe	200	2/46	µg/L	<20	
37	Manganese as Mn	50	2/46	µg/L	<20	
12	Copper as Cu	2	2/46	mg/L	<0.04	
4	*Antimony as Sb	5.0	2/46	µg/L	<1	
10	Cadmium as Cd	5	2/46	µg/L	<1.0	
17	Lead as Pb	10	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	
	* Total Hardness as CaCO ₃		2/42	mg/L	317	
	* Total Alkalinity as CaCO ₃		2/43	mg/L	306	
	* Chloride as Cl	250	2/40	mg/L	21	
40*	Sulphate as SO ₄	250	2/41	mg/L	<20	
41*	Sodium as Na	200	2/38	mg/L	12	
	*Potassium as K		2/39	mg/L	4	

*Remarks

The chemical analysis denotes 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 opinions, 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.