



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Mr. Rory Mannion, PUBLIC ANALYST
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Public Analyst's Laboratory,
 University Hospital,
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Feidhmeannacht na Seirbhíse Sláinte
 Health Service Executive

Date Printed: 12/05/2014

Lab Ref Number: W2069-2014

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

Name of Supply: Private Authority Private
 Sampling Point: Sean O' Neill - Softener & Filtered Kitchen Tap
 Requested by: Michael Murphy

Receipt Number W136026

Date & Time Sampled 01/05/2014 00:00:00 Date Received: 01-May-2014

REPORT TO: Michael 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	01/05/2014
33	Colour Pt-Co		2/6	mg/L	5.6	
46	Turbidity		2/7	NTU	<0.2	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.5	
34	Conductivity @ 20°C	2500	2/8	µS/cm	35	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	<2.0	
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	
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	
4	*Antimony as Sb	5.0	2/46	µg/L	<1	
	* Total Hardness as CaCO ₃		2/42	mg/L	<10	
	* Total Alkalinity as CaCO ₃		2/43	mg/L	12	
	* Chloride as Cl	250	2/40	mg/L	<10	
40*	* Sulphate as SO ₄	250	2/41	mg/L	<20	
41*	* Sodium as Na	200	2/38	mg/L	6	
	*Potassium as K		2/39	mg/L	<1	

*Remarks

The chemical analysis denotes soft 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.



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Health Service Executive

Date Printed: 12/05/2014

Lab Ref Number: W2070-2014

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

Name of Supply: Private Authority: Private
Sampling Point: Unsoftened Water - Kitchen Tap
Requested by: Michael Murphy

Receipt Number W136026

Date & Time Sampled 01/05/2014 00:00:00

Date Received: 01-May-2014

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

Table with 7 columns: Test No., Parameter, Parametric Value, Method No., Units, Result, Date Tested. Contains 38 rows of chemical analysis data including Odour, Colour, Turbidity, Hydrogen Ion, Conductivity, Aluminium, Nitrate, Nitrite, Ammonium, Iron, Manganese, Copper, Cadmium, Lead, Arsenic, Chromium, Nickel, Selenium, Boron, Zinc, Antimony, Hardness, Alkalinity, Chloride, Sulphate, Sodium, Potassium, and Free Chlorine.

*Remarks

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



Handwritten signature of Dr. Christopher Laffey

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Public Analyst's Laboratory,
University Hospital,
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Date Printed: 05/03/2014

Lab Ref Number W918-2814

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

Name of Supply: Private Authority Private
Sampling Point: Kiltiernan GWS, A. Dillon
Requested by: Michael Murphy

Receipt Number W128765

Date & Time Sampled 27/02/2014 00:00:00 Date Received: 27-February-2014

REPORT TO: Michael Murphy
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		Chlorine	27/02/2014
33	Colour Pt-Co		2/6	mg/L	4.7	
46	Turbidity		2/7	NTU	0.3	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.5	
34	Conductivity @ 20°C	2500	2/8	µS/cm	574	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	13.8	
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	0.30	
10	Cadmium as Cd	5	2/46	µg/L	<4.0	
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	<0.03	
4	*Antimony as Sb	5.0	2/46	µg/L	<1	
	*Total Hardness as CaCO ₃		2/42	mg/L	10	
	*Total Alkalinity as CaCO ₃		2/43	mg/L	282	
	*Chloride as Cl	250	2/40	mg/L	45	
40	*Sulphate as SO ₄	250	2/41	mg/L	<20	
41	*Sodium as Na	200	2/38	mg/L	145	
	*Potassium as K		2/39	mg/L	1	
	Free Chlorine as Cl		2/10	mg/L	0.06	27/02/2014

Remarks

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



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Date Printed: 05/03/2014

Lab Ref Number: 919-2014

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

Name of Supply: Private Authority Private
Sampling Point: Kiltiernan GWS, Kiltiernan School
Requested by: Michael Murphy

Receipt Number W128765

Date & Time Sampled 27/02/2014 00:00:00 Date Received: 27-February-2014

REPORT TO: Michael Murphy
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		Chlorine	27/02/2014
33	Colour Pt-Co		2/6	mg/L	3.6	
46	Turbidity		2/7	NTU	0.4	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.0	
34	Conductivity @ 20°C	2500	2/8	µS/cm	573	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	12.9	
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	
10	Cadmium as Cd	5	2/46	µg/L	<4.0	
17	Lead as Pb	10	2/46	µg/L	<4.0	
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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 ₃		2/42	mg/L	293	
	*Total Alkalinity as CaCO ₃		2/43	mg/L	276	
	*Chloride as Cl	250	2/40	mg/L	46	
40	*Sulphate as SO ₄	250	2/41	mg/L	<20	
41	*Sodium as Na	200	2/38	mg/L	21	
	*Potassium as K		2/39	mg/L	5	
	Free Chlorine as Cl		2/10	mg/L	0.25	27/02/2014

*Remarks

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



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