



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Mr. Rory Mannion, PUBLIC ANALYST  
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Public Analyst's Laboratory,  
University Hospital,  
Seamus Quirke Road,  
Galway, Ireland

Lab Ref Number: W3936-2019

Date Printed: 09/12/2019

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

Name of Supply: Kiltiernan GWS Authority Private  
Sampling Point: Michael Murphy Kitchen Tap  
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056

Receipt Number Repeat

Date & Time Sampled 28/11/2019 11:30:00 Date Received: 28-November-2019

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		Chlorine	28/11/2019
33	Colour Pt-Co		2/6	mg/L	2.0	
46	Turbidity		2/7	NTU	<0.2	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.3	
34	Conductivity @ 20°C	2500	2/8	µS/cm	615	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	21.4	
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	<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	<1.0	
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 <sub>3</sub>		2/30	mg/L	296	
	Total Alkalinity as CaCO <sub>3</sub>		2/30	mg/L	286	
	Chloride as Cl	250	2/30	mg/L	32	
40	Sulphate as SO <sub>4</sub>	250	2/30	mg/L	<20	
41 *	Sodium as Na	200	2/38	mg/L	18	
	*Potassium as K		2/39	mg/L	5	
	Free Chlorine as Cl		2/10	mg/L	0.45	28/11/2019

\*Remarks

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



*Gayle Kealy*

Dr. Gayle Kealy  
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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Public Analyst's Laboratory,  
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Seamus Quirke Road,  
Galway, Ireland

Lab Ref Number W3937-2019

Date Printed: 09/12/2019

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

Name of Supply: Kiltiernan GWS Authority Private  
Sampling Point: Peter O'Connell - Kitchen Tap  
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056  
Receipt Number Paid

Date & Time Sampled 28/11/2019 11:30:00 Date Received: 28-November-2019

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		Chlorine	28/11/2019
33	Colour Pt-Co		2/6	mg/L	<2.0	
46	Turbidity		2/7	NTU	<0.2	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.3	
34	Conductivity @ 20°C	2500	2/8	µS/cm	615	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	19.7	
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	<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	
	Total Hardness as CaCO <sub>3</sub>		2/30	mg/L	294	
	Total Alkalinity as CaCO <sub>3</sub>		2/30	mg/L	291	
	Chloride as Cl	250	2/30	mg/L	33	
40	Sulphate as SO <sub>4</sub>	250	2/30	mg/L	<20	
41*	Sodium as Na	200	2/38	mg/L	18	
	*Potassium as K		2/39	mg/L	5	
	Free Chlorine as Cl		2/10	mg/L	0.15	28/11/2019

\*Remarks

The chemical analysis denotes hard water. The chemical parameters analysed comply with the Drinking Water Regulation limits. This water sample has been tested for the chemical analysis shown. This laboratory does not perform microbiology analysis.



*Christopher Laffey*

Dr. Christopher Laffey  
Executive Analytical Chemist

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