

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT



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Feidhmeannacht na Seirbhíse Sláinte  
 Health Service Executive

Date Printed: 12/08/2024

Lab Ref Number: W1850-2024

For Parametric Values/Ranges see Drinking Water Regulations S.I. No. 99 of 2023

#Name of Supply: Kiltiernan GWS	Authority	Private
#Sampling Point: Terence Duffy - Kitchen Tap		
#Requested by: Michael J Murphy	EPA Ref No.	1200PRI1056
	Receipt Number	Paid
#Date & Time Sampled 29/07/2024 14:00:00	Date Received:	29-July-2024

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	29/07/2024
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	7.4	
34 Conductivity @ 20°C	2500	2/8	µS/cm	662	
29 Aluminium as Al	200	2/46	µg/L	<10	
20 Nitrate as NO <sub>3</sub>	50	2/37	mg/L	11.3	
21 Nitrite as NO <sub>2</sub>	0.50	2/37	mg/L	<0.02	
Total Oxidised Nitrogen		2/37	mg/L	11.3	
30 Ammonium as NH <sub>4</sub>	0.50	2/37	mg/L	<0.03	
36 Iron as Fe	200	2/46	µg/L	<10	
37 Manganese as Mn	50	2/46	µg/L	<10	
12 Copper as Cu	2.0	2/46	mg/L	<0.04	
4 Antimony as Sb	10	2/46	µg/L	<1.0	
10 Cadmium as Cd	5.0	2/46	µg/L	<1.0	
17 Lead as Pb	10	2/46	µg/L	<1.0	
5 Arsenic as As	10	2/46	µg/L	<1.0	
11 Chromium as Cr	50	2/46	µg/L	<1.0	
19 Nickel as Ni	20	2/46	µg/L	<1.0	
25 Selenium as Se	20	2/46	µg/L	<1.0	
8 Boron as B	1.5	2/46	mg/L	<0.04	
Zinc as Zn		2/46	mg/L	<0.04	
Total Hardness as CaCO <sub>3</sub>		2/30	mg/L	337	
Total Alkalinity as CaCO <sub>3</sub>		2/30	mg/L	347	
31 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	2/46	mg/L	19	
Potassium as K		2/46	mg/L	5	
Free Chlorine as Cl		2/10	mg/L	0.60	29/07/2024

\*Remarks

The chemical analysis denotes hard water. The chemical 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. #This data is provided to the laboratory by the customer in the first instance.

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, as received.

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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Ireland

Lab Ref Number: W1849-2024

Date Printed: 12/08/2024

For Parametric Values/Ranges see Drinking Water Regulations S.I. No. 99 of 2023

#Name of Supply: Kiltiernan GWS Authority Private  
#Sampling Point: Tom Creedon - Kitchen Tap  
#Requested by: Michael J Murphy EPA Ref No. 1200PRI1056  
Receipt Number Paid

#Date & Time Sampled 29/07/2024 13:30:00 Date Received: 29-July-2024

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	29/07/2024
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	7.4	
34	Conductivity @ 20°C	2500	2/8	µS/cm	659	
29	Aluminium as Al	200	2/46	µg/L	13	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	11.6	
21	Nitrite as NO <sub>2</sub>	0.50	2/37	mg/L	<0.02	
	Total Oxidised Nitrogen		2/37	mg/L	11.6	
30	Ammonium as NH <sub>4</sub>	0.50	2/37	mg/L	<0.03	
36	Iron as Fe	200	2/46	µg/L	<10	
37	Manganese as Mn	50	2/46	µg/L	<10	
12	Copper as Cu	2.0	2/46	mg/L	<0.04	
4	Antimony as Sb	10	2/46	µg/L	<1.0	
10	Cadmium as Cd	5.0	2/46	µg/L	<1.0	
17	Lead as Pb	10	2/46	µg/L	<1.0	
5	Arsenic as As	10	2/46	µg/L	<1.0	
11	Chromium as Cr	50	2/46	µg/L	<1.0	
19	Nickel as Ni	20	2/46	µg/L	<1.0	
25	Selenium as Se	20	2/46	µg/L	<1.0	
8	Boron as B	1.5	2/46	mg/L	<0.04	
	Zinc as Zn		2/46	mg/L	<0.04	
	Total Hardness as CaCO <sub>3</sub>		2/30	mg/L	332	
	Total Alkalinity as CaCO <sub>3</sub>		2/30	mg/L	350	
31	Chloride as Cl	250	2/30	mg/L	30	
40	Sulphate as SO <sub>4</sub>	250	2/30	mg/L	<20	
41	Sodium as Na	200	2/46	mg/L	18	
	Potassium as K		2/46	mg/L	5	
	Free Chlorine as Cl		2/10	mg/L	0.40	29/07/2024

\*Remarks

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



*Christopher Laffey*

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Executive Analytical Chemist

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