

# OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive

Dr. Declan Costello, Public Analyst (Regional)  
Email: PublicAnalystLab.UCHG@hse.ie  
Telephone: (091) 58 11 22  
Fax: (091) 58 12 12

Public Analyst's Laboratory,  
Seamus Quirke Road,  
Galway, H91 Y952,  
Ireland

Date Printed: 19/12/2024

**Lab Ref Number:** W3224-2024

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

#Name of Supply: Private Authority Private

#Sampling Point: Kiltiernan GWS - Terence Duffy Kitchen Tap - Treated

#Requested by: Michael J Murphy

Receipt Number Paid

Date Received: 12-December-2024

#Date & Time Sampled 12/12/2024 00:00:00

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	13/12/2024
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	7.6	
34	Conductivity @ 20°C	2500	2/8	µS/cm	614	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	13.8	
21	Nitrite as NO <sub>2</sub>	0.50	2/37	mg/L	<0.02	
	Total Oxidised Nitrogen		2/37	mg/L	13.8	
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	
29	Aluminium as Al	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	0.05	
	Zinc as Zn		2/46	mg/L	<0.04	
	Total Hardness as CaCO <sub>3</sub>		2/30	mg/L	322	
	Total Alkalinity as CaCO <sub>3</sub>		2/30	mg/L	321	
31	Chloride as Cl	250	2/30	mg/L	41	
40	Sulphate as SO <sub>4</sub>	250	2/30	mg/L	<20	
41	Sodium as Na	200	2/46	mg/L	20	
	Potassium as K		2/46	mg/L	5	

**\*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. #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.

No. Parameter	Parametric Value	Method No.	Units	Result	Date Tested
---------------	------------------	------------	-------	--------	-------------

Report Status      Authorised



*Gayle Kealy*

Dr. Gayle Kealy  
Executive Analytical Chemist

**notes a non-accredited Test. #This data is provided to the laboratory by the customer in the first instance.**

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

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

**i type indicates a result that does not comply with the Parametric Value or Range.**      Page 2 of 2