



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

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Lab Ref Number: W1520-2024

Date Printed: 11/07/2024

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

#Name of Supply: Kiltiernan GWS Authority Private
#Sampling Point: Treated Water, Michael Murphy Kitchen Tap
#Requested by: Michael John Murphy EPA Ref No. 1200PRI1056
Receipt Number REPEAT
#Date & Time Sampled 26/06/2024 12:00:00 Date Received: 26-June-2024

REPORT TO: Michael John 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	26/06/2024
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	7.0	
34	Conductivity @ 20°C	2500	2/8	µS/cm	634	
29	Aluminium as Al	200	2/46	µg/L	12	
20	Nitrate as NO ₃	50	2/37	mg/L	8.6	
21	Nitrite as NO ₂	0.50	2/37	mg/L	<0.02	
	Total Oxidised Nitrogen		2/37	mg/L	8.6	
30	Ammonium as NH ₄	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 ₃		2/30	mg/L	393	
	Total Alkalinity as CaCO ₃		2/30	mg/L	376	
31	Chloride as Cl	250	2/30	mg/L	<20	
40	Sulphate as SO ₄	250	2/30	mg/L	<20	
41	Sodium as Na	200	2/46	mg/L	20	
	Potassium as K		2/46	mg/L	6	
	Free Chlorine as Cl		2/10	mg/L	0.60	26/06/2024

*Remarks

The chemical analysis denotes excessively 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.