



Féidhmeannacht na Seirbhíse Sláinte
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

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Public Analyst's Laboratory,
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Lab Ref Number: W2546-2021

Date Printed: 04/10/2021

For Parametric Values/Ranges see Drinking Water Regulations S.I. No. 122 of 2014

#Name of Supply: Kiltiernan GWS	Authority	Private
#Sampling Point: Treatment Plant - Raw		
#Requested by: Michael J Murphy	EPA Ref No.	1200PRI1056
	Receipt Number	Paid
#Date & Time Sampled 16/09/2021 14:40:00	Date Received:	16-September-2021

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	16/09/2021
33	Colour Pt-Co		2/6	mg/L	4.0	
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	654	
29	Aluminium as Al	200	2/46	µg/L	31	
20	Nitrate as NO ₃	50	2/37	mg/L	6.9	
21	Nitrite as NO ₂	0.50	2/37	mg/L	0.03	
30	Ammonium as NH ₄	0.30	2/37	mg/L	0.12	
36	Iron as Fe	200	2/46	µg/L	30	
37	Manganese as Mn	50	2/46	µg/L	320	
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	7.7	
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 ₃		2/30	mg/L	304	
	Total Alkalinity as CaCO ₃		2/30	mg/L	312	
	Chloride as Cl	250	2/30	mg/L	29	
40	Sulphate as SO ₄	250	2/30	mg/L	<20	
41 *	Sodium as Na	200	2/38	mg/L	20	
	*Potassium as K		2/39	mg/L	9	
	*Ortho-phosphate as P			mg/L	0.06	

*Remarks

The chemical analysis denotes hard water. The level of manganese exceeds the limit for drinking water. The other parameters analysed comply with the Drinking Water Regulation limits.



Gayle Kealy

Report Status: Authorised

Dr. Gayle Kealy
Executive Analytical Chemist

*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.

This water sample has been tested for the chemical analysis shown. This laboratory does not perform microbiology analysis.

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