



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

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Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Date Printed: 04/02/2020

Lab Ref Number: W226-2020

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

Name of Supply: Kiltiernan GWS Authority Galway County Council
Sampling Point: Michael J Murphy - Kitchen Tap - Treated
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056
Receipt Number Paid

Date & Time Sampled 23/01/2020 11:30:00 Date Received: 23-January-2020

REPORT TO: Michael J Murphy
C/o Kiltiernan GWS
Caheradoo
Kilcolgan
Co. Galway

TREATED

Test No.	Parameter	Parametric Value	Method No.	Units	Result	Date Tested
38 *	Odour	Acceptable to consumers and no abnormal change.	2/3		Chlorine	23/01/2020
33	Colour Pt-Co		2/6	mg/L	2.8	
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	604	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	26.2	
21	Nitrite as NO ₂	0.50	2/37	mg/L	<0.02	
30	Ammonium as NH ₄	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 ₃		2/30	mg/L	299	
	Total Alkalinity as CaCO ₃		2/30	mg/L	273	
	Chloride as Cl	250	2/30	mg/L	34	
40	Sulphate as SO ₄	250	2/30	mg/L	<20	
41 *	Sodium as Na	200	2/38	mg/L	18	
	*Potassium as K		2/39	mg/L	6	
	Free Chlorine as Cl		2/10	mg/L	0.15	23/01/2020

*Remarks

The chemical analysis denotes hard water. The 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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Drinking Water Regulations S.I. No. 122 of 2014:- AUDIT MONITORING (Chemical Analysis)

Name of Supply: Kiltiernan GWS Authority Galway County Council
Sampling Point: Kiltiernan Water Scheme Treatment Plant - Raw
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056
Receipt Number Paid
Date & Time Sampled 23/01/2020 11:30:00 Date Received: 23-January-2020

REPORT TO: Michael J Murphy
C/o Kiltiernan GWS
Caheradoo
Kilcolgan
Co. Galway

RAW

Test No.	Parameter	Parametric Value	Method No.	Units	Result	Date Tested
38 *	Odour	Acceptable to consumers and no abnormal change.	2/3		None Detected	23/01/2020
33	Colour Pt-Co		2/6	mg/L	3.2	
46	Turbidity		2/7	NTU	<0.2	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.2	
34	Conductivity @ 20°C	2500	2/8	µS/cm	554	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO ₃	50	2/37	mg/L	20.5	
21	Nitrite as NO ₂	0.50	2/37	mg/L	0.03	
30	Ammonium as NH ₄	0.30	2/37	mg/L	<0.03	
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 ₃		2/30	mg/L	288	
	Total Alkalinity as CaCO ₃		2/30	mg/L	286	
	Chloride as Cl	250	2/30	mg/L	28	
40	Sulphate as SO ₄	250	2/30	mg/L	<20	
41 *	Sodium as Na	200	2/38	mg/L	13	
	*Potassium as K		2/39	mg/L	4	

*Remarks

The chemical analysis denotes hard water. The 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.



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