



Féidhmeannacht na Seirbhíse Sláinte
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Mr. Rory Mannon, PUBLIC ANALYST
Email: PublicAnalystLab.UCHG@hse.ie
Telephone: (091) 58 11 22
Fax: (091) 58 12 12

Public Analyst's Laboratory,
University Hospital,
Seamus Quirke Road,
Galway, Ireland

Lab Ref Number: W7410-2016

Date Printed: 20/12/2016

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

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

Date & Time Sampled 13/12/2016 10:30:00 Date Received: 13-December-2016

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	14/12/2016
33 Colour Pt-Co		2/6	mg/L	<2.0	
46 Turbidity		2/7	NTU	0.4	
35 Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.2	
34 Conductivity @ 20°C	2500	2/8	µS/cm	672	
29 Aluminium as Al	200	2/46	µg/L	<20	
20 Nitrate as NO ₃	50	2/37	mg/L	15.1	
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	4.2	
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		2/42	mg/L	364	
* Total Alkalinity as CaCO ₃		2/43	mg/L	351	
* Chloride as Cl	250	2/40	mg/L	30	
40* Sulphate as SO ₄	250	2/41	mg/L	24	
41* Sodium as Na	200	2/38	mg/L	16	
*Potassium as K		2/39	mg/L	7	
Free Chlorine as Cl		2/10	mg/L	<0.02	14/12/2016
Total Chlorine as Cl		2/10	mg/L	0.07	14/12/2016



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.

***Remarks**

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

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



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. Page 2 of 2



Féidhmeannacht na Seirbhíse Sláinte
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Mr. Rory Mannion, PUBLIC ANALYST
Email: PublicAnalystLab.UCHG@hse.ie
Telephone: (091) 58 11 22
Fax: (091) 58 12 12

Public Analyst's Laboratory,
University Hospital,
Seamus Quirke Road,
Galway, Ireland

Lab Ref Number: W7409-2016

Date Printed: 20/12/2016

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

Name of Supply: Kiltiernan GWS Co-Op Soc. Ltd Authority Private
Sampling Point: Raw Water - Bore Hole
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056
Receipt Number Paid

Date & Time Sampled 13/12/2016 10:00:00 Date Received: 13-December-2016

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	14/12/2016
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	6.9	
34 Conductivity @ 20°C	2500	2/8	µS/cm	625	
29 Aluminium as Al	200	2/46	µg/L	<20	
20 Nitrate as NO ₃	50	2/37	mg/L	12.2	
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	4.1	
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		2/42	mg/L	351	
* Total Alkalinity as CaCO ₃		2/43	mg/L	341	
* Chloride as Cl	250	2/40	mg/L	21	
40* Sulphate as SO ₄	250	2/41	mg/L	23	
41* Sodium as Na	200	2/38	mg/L	11	
*Potassium as K		2/39	mg/L	5	

*Remarks

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

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



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.