#### OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Feidhmeannacht na Seirbhíse Sláinte Health Service Executive

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

Date Printed: 20/12/2016

# Lab Ref Number:W7410-2016

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

Name of Supply: Kiltiernan GWS Co-Op Soc. Ltd

Sampling Point: Tom Creedon Kitchen Tap

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

Michael J Murphy Requested by:

Private

EPA Ref No.

1200PRI1056

Receipt Number Paid

Date Received:

Authority

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	2/3		Chlorine	14/12/2016
33 Colour Pt-Co	consumers and no	2/6	mg/L	<2.0	
46 Turbidity	abnormal change.	2/7	NTU	0.4	
35 Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.2	24 7 m
34 Conductivity @ 20°C	2500	2/8	μS/cm	672	
29 Aluminium as Al	200	2/46	μg/L	<20	
20 Nitrate as NOs	50	2/37	mg/L	15.1	
21 Nitrite as NO2	0.50	2/37	mg/L	<0.02	
30 Ammonium as NH4	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	$\mu \mathbf{g}/\mathbf{L}$	<20	
12 Copper as Cu	2	2/46	mg/L	< 0.04	
4 *Antimony as Sb	5.0	2/46	μg/ <b>L</b>	<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	entra turka araba kendada kendada kendada araba ar Baraba araba a
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 <sub>3</sub>		2/42	mg/L	364	A STATE OF S
* Total Alkalinity as CaCO <sub>3</sub>		2/43	mg/L	351	
* Chloride as Cl	250	2/40	mg/L	30	
40* Sulphate as SO4	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	and the second of the second o	2/10	mg/L	<0.02	14/12/2016
Total Chlorine as Cl		2/10	mg/L	0.07	14/12/2016



\*Denotes a non-accredited Test.

Report Status

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.

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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

**Executive Analytical Chemist** 

Dr. Gayle Kealy

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 1 of 2

Method No.

Units

Result

**Date Tested** 

#### \*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.

Parametric Value



Report Status

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Authorised

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

Date Printed: 20/12/2016

13-December-2016

## Lab Ref Number:W7409-2016

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

Name of Supply: Kiltiernan GWS Co-Op Soc. Ltd

Authority

Date Received:

Private

Sampling Point: Raw Water - Bore Hole

1200PRI1056

Requested by:

Michael J Murphy

EPA Ref No. Receipt Number Paid

Date & Time Sampled 13/12/2016 10:00:00 REPORT TO:

Michael J Murphy

C/o Kiltiernan GWS

Caheradoo Kilcolgan Co. Galway

Test No. Parameter	Parametric Value	Method No.	Units	Result	Date Tested
			UHAG		
38* Odour	Acceptable to	2/3		None Detected	14/12/2016
33 Colour Pt-Co	consumers and no	2/6	mg/L	<2.0	
46 Turbidity	abnormal change.	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 <sub>3</sub>	50	2/37	mg/L	12.2	
21 Nitrite as NO2	0.50	2/37	mg/L	<0.02	
30 Ammonium as NH4	0.30	2/37	mg/L	<0.03	
36 Iron as Fe	200	2/46	μg/L	<20	ti Arver (17 vitaliz de 18 de da
37 Manganese as Mn	50	2/46	<b>μg/</b> L	<20	
12 Copper as Cu	2	2/46	mg/L	< 0.04	
4 *Antimony as Sb	5.0 Para 19	2/46	μg/L	<1.0	
10 Cadmium as Cd	in 1865 <b>5</b> 88 186	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	μ <b>g</b> /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	estas te dun e
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 <sub>3</sub>		2/42	mg/L	351	William Strategy and the
* Total Alkalinity as CaCO <sub>3</sub>		2/43	-		
* Chloride as Cl	250		mg/L	341	
40* Sulphate as SO <sub>4</sub>	and the state of t	2/40	mg/L	<b>21</b>	in the common terms of the common common terms of the common common terms of the common commo
40 Supplate as SO4 41* Sodium as Na	250	2/41	mg/L	<b>23</b>	
	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

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



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