



OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive

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Lab Ref Number: W1015-2017

Date Printed: 03/03/2017

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: Kiltiernan - Treatment Plant  
Requested by: Michael J Murphy EPA Ref No. 1200PRI1056  
Receipt Number Paid  
Date & Time Sampled 28/02/2017 09:00:00 Date Received: 28-February-2017

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	01/03/2017
33	Colour Pt-Co		2/6	mg/L	4.7	
46	Turbidity		2/7	NTU	0.8	
35	Hydrogen Ion	6.5 - 9.5	2/9	pH Units	7.0	
34	Conductivity @ 20°C	2500	2/8	µS/cm	649	
29	Aluminium as Al	200	2/46	µg/L	<20	
20	Nitrate as NO <sub>3</sub>	50	2/37	mg/L	30.2	
21	Nitrite as NO <sub>2</sub>	0.50	2/37	mg/L	<0.02	
30	Ammonium as NH <sub>4</sub>	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	5.8	
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	301	
	* Total Alkalinity as CaCO <sub>3</sub>		2/43	mg/L	335	
	* Chloride as Cl	250	2/40	mg/L	27	
40*	Sulphate as SO <sub>4</sub>	250	2/41	mg/L	<20	
41*	Sodium as Na	200	2/38	mg/L	13	
	*Potassium as K		2/39	mg/L	7	

\*Remarks

The chemical analysis denotes 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.

Telephone: **Water Lab:** (091) 544954 **Food Lab:** (091) 544786 **Lab Office** (091) 544916 Fax: (091) 542238

**Report Number.: W-569/17**

**Issue Date:** 01/03/2017

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**Sanitary Authority:** Private Supply

**SPS Sample:**No

**Supply Code:**

**Date of Sampling:** 28-Feb-2017

**Name of Supply:** Michael Murphy c/o Kiltiernan GWS

**Reason for Sampling:** Not applicable

**Sampling Point:** Kiltiernan GWS - Raw Water Treatment Plant

**Sample Taken by:** Michael Murphy

**Report to:** Michael Murphy, Caherado, Kilcolgan, Co Galway

**Water Sample Type:** Old Bore

**Treatment Status:** Not Treated

**Temp of Water at Sampling Point:**

**Residual Chlorine:** ppm

**Total Chlorine:** ppm

Note: All the information in the previous section, (including measurements), is supplied by the customer to the laboratory

### WATER ANALYTICAL TEST REPORT

**Date Received:** 28-Feb-2017

**Date Analysed:** 28-Feb-2017

**Condition of Sample on Receipt:** Satisfactory

TEST	Lab Method No.	TEST Specification	RESULT	UNITS
MPN of Coliforms per 100mls	W18	Based on Environment Agency UK: MDW (2009) Part 4D	161	MPN per 100ml
MPN of E.coli per 100mls	W18	Based on Environment Agency UK: MDW (2009) Part 4D	77	MPN per 100ml

#### Test Report Comment\*

This water is not suitable for human consumption unless appropriately treated because of the presence of Coliforms and / or E.coli.



**Authorised by:** Angela Quinn  
Quality Manager



**Certified by:** Dr Teck Wee Boo  
Consultant Microbiologist

**THIS REPORT RELATES ONLY TO THE ITEMS TESTED AND SHALL NOT BE REPRODUCED EXCEPT IN FULL, AND WITH THE APPROVAL OF THE WATER TESTING SECTION, PUBLIC HEALTH MICROBIOLOGY LABORATORY, MEDICAL MICROBIOLOGY DEPARTMENT, UNIVERSITY HOSPITAL GALWAY.**

**\* DENOTES NON-ACCREDITED TEST OR REPORT COMMENT**