



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

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Lab Ref Number: W2997-2020

Date Printed: 02/12/2020

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

|  |                |                  |
|--|----------------|------------------|
| #Name of Supply: Kiltiernan GWS  | Authority      | Private          |
| #Sampling Point: Michael Murphy - Kitchen Tap                          |                |                  |
| #Requested by: Michael John Murphy                                     | EPA Ref No.    | 1200PRI1056      |
|  | Receipt Number | Paid             |
| #Date & Time Sampled 25/11/2020 11:50:00                               | Date Received: | 25-November-2020 |
| REPORT TO: Michael John Murphy<br>Caheradoo<br>Kilcolgan<br>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 | 25/11/2020  |
| 33       | Colour Pt-Co                          |   | 2/6        | mg/L     | 4.1      |             |
| 46       | Turbidity                             |   | 2/7        | NTU      | 0.6      |             |
| 35       | Hydrogen Ion                          | 6.5 - 9.5                                       | 2/9        | pH Units | 7.2      |             |
| 34       | Conductivity @ 20°C                   | 2500  | 2/8        | µS/cm    | 723      |             |
| 29       | Aluminium as Al                       | 200   | 2/46       | µg/L     | <20      |             |
| 20       | Nitrate as NO <sub>3</sub>            | 50  | 2/37       | mg/L     | 26.2     |             |
| 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     | 4.8      |             |
| 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>   |   | 2/30       | mg/L     | 309      |             |
|          | Total Alkalinity as CaCO <sub>3</sub> |   | 2/30       | mg/L     | 299      |             |
|          | Chloride as Cl                        | 250   | 2/30       | mg/L     | 40       |             |
| 40       | Sulphate as SO <sub>4</sub>           | 250   | 2/30       | mg/L     | <20      |             |
| 41 *     | Sodium as Na                          | 200   | 2/38       | mg/L     | 22       |             |
|          | *Potassium as K                       |   | 2/39       | mg/L     | 8        |             |
|          | Free Chlorine as Cl                   |   | 2/10       | mg/L     | 0.40     | 25/11/2020  |

**\*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.



*Gayle Kealy*

Dr. Gayle Kealy  
Executive Analytical Chemist

Report Status: Authorised

\*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.