Feidhmeannacht na Seirbhíse Sláinte Health Service Executive

Lab Ref Number:W3936-2019

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

Date Printed: 09/12/2019

| Drinking Water Regula | tions S.I. No. 12 | 2 of 2014:- AUDIT MONITORI | NG (Chemical Analysis) | |
|---|-------------------|------------------------------------|------------------------|--|
| Name of Supply: Kiltiernan GWS Sampling Point: Michael Murphy Kitc | hen Tap | Authority Priva | te | |
| Requested by: Michael J Murphy | 1 | EPA Ref No. 1: Receipt Number R | 200PRI1056 epeat | |
| Date & Time Sampled 28/11/2019 11:30:00 | | Date Received: | 28-November-2019 | |
| 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 | 28/11/2019 |
| 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 | 7.3 | |
| 34 | Conductivity @ 20°C | 2500 | 2/8 | µS/cm | 615 | |
| 29 | Aluminium as Al | 200 | 2/46 | μg/L | <20 | 4.4 200 |
| 20 | Nitrate as NO3 | 50 | 2/37 | mg/L | 21.4 | |
| 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 | in an |
| 37 | Manganese as Mn | 50 | 2/46 | µg/L | <20 | 8 |
| 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 | 3 | - 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 | and a second |
| 11 | Chromium as Cr | 50 | 2/46 | μg/L | <4.0 | |
| 19 | Nickel as Ni | 20 | 2/46 | µg/L | <4.0 | 5 |
| 25 | Selenium as Se | 10 | 2/46 | µg/L | <4.0 | |
| 8 | Boron as B | 10 | 2/46 | mg/L | <0.02 | |
| e4. | Zinc as Zn | | 2/46 | mg/L | <0.04 | |
| | Total Hardness as CaCO ₃ | | 2/30 | mg/L | 296 | na mara na manana ang ang ang ang ang ang ang ang an |
| | Total Alkalinity as CaCO3 | | 2/30 | mg/L | 286 | |
| | Chloride as Cl | 250 | 2/30 | mg/L | 32 | |
| 40 | Sulphate as SO4 | 250 | 2/30 | mg/L | <20 | |
| 41 * | Sodium as Na | 200 | 2/38 | mg/L | 18 | |
| | *Potassium as K | | 2/39 | mg/L | 5 | |
| | Free Chlorine as Cl | | 2/10 | mg/L | 0.45 | 28/11/2019 |
| <u>*Re</u> | marks | | | | | |

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



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 1 of 2

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OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT

Feidhmeannacht na Seirbhíse Sláinte Health Service Executive

Lab Ref Number: W3937-2019

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

12

Date Printed: 09/12/2019

| Name of Supply: Kiltiernan C | 3WS | Authority | Private | | :4 h |
|----------------------------------|--|--|--|--------------------------------|---|
| | mell - Kitchen Tap | | | | |
| Requested by: Michael J M | lurphy | EPA Ref No. | 1200PRI1056 | | · ¢ |
| | | Receipt Number Paid | | | : |
| Date & Time Sampled 28/11/2 | 2019 11:30:00 | Date Receiv | | November-2019 | |
| REPORT TO: Michael J M | | | 1.13 1.15 1.15 | | |
| C/o Kiltierr | aan GWS | | | | |
| Caheradoo | | | din san | | |
| Kilcolgan Co. Galway | | | | | |
| | | | | | |
| Fest No. Parameter | Parametric Value | Method No. | Units | Result | Date Tested |
| 38*Odour | Acceptable to | 2/3 | | Chlorine | 28/11/2019 |
| 33 Colour Pt-Co | consumers and no | 2/6 | mg/L | <2.0 | |
| 46 Turbidity | abnormal change. | 2/ 7 - 2/ 7 - 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 | uS/cm | 615 | |
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| 30 Ammonium as NH4 | 0.30 | 2/37 | img/L | ≪0.03 | |
| 36 Iron as Fe | 200 | 2/46 | ζ μg/L | <20 | 1. |
| 37 Manganese as Mn | 50 | 2/46 | եր hg/L | <20 | |
| 12 Copper as Cu | 2 | 2/46 | mg/L | <0.04 | 5 A |
| 10 Cadmium as Cd | 5 | 2/46 | µg/L | <1.0 | |
| 17 Lead as Pb | 10 | 2/46 | μ g/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 | 4. |
| 8 Boron as B | 1.0 | 2/46 | mg/L | <0.02 | |
| Zinc as Zn | | 2/46 | mg/L | <0.04 | |
| Total Hardness as CaCO3 | | 2/30 | ∦ mg/L | 294 | |
| Total Alkalinity as CaCO3 | | 2/30 | mg/L | 291 | 14) |
| Chloride as Cl | 250 | 2/30 | i mg∕L | 33 | R. |
| 40 Sulphate as SO ₄ | 250 | 2/30 | mg/L | <20 | -2 |
| 41 * Sodium as Na | 200 | 2/38 | mg/L | 18 | |
| *Potassium as K | | 2/39 | mg/L | 5 | |
| Free Chlorine as Cl | | 2/10 | mg/L | 0.15 | 28/11/2019 |
| <u>*Remarks</u> | ne ne se | an - Maria da Curringer na Albara T | en nem e d e r freder fins Hij | an an balan kupita sing a jing | na fra Sulla ana Angli (angli (ang |

*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 analysis shown. This laboratory does not perform microbiology analysis.



hantopher.

Dr. Christopher Laffey **Executive Analytical Chemist**

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Note 2: This report solar not or reproduced sweep in this, many many spectra or how the second solar s

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