

OFFICIAL PUBLIC ANALYST'S LABORATORY REPORT



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

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Date Printed: 02/12/2015

Lab Ref Number: W6432-2015

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

Name of Supply: Private Authority Private
Sampling Point: Raw Water
Requested by: Michael John Murphy

Receipt Number Paid

Date & Time Sampled 24/11/2015 14:00:00 Date Received: 24-November-2015

REPORT TO: Michael John Murphy
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 | 26/11/2015 |
| 33 | Colour Pt-Co | | 2/6 | mg/L | 4.8 | |
| 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 | 637 | |
| 29 | Aluminium as Al | 200 | 2/46 | µg/L | <20 | |
| 20 | Nitrate as NO ₃ | 50 | 2/37 | mg/L | 23.9 | |
| 21 | Nitrite as NO ₂ | 0.50 | 2/37 | mg/L | <0.02 | |
| 30 | Ammonium as NH ₄ | 0.30 | 2/37 | mg/L | 0.04 | |
| 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 | |
| 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 | 5.3 | |
| 25 | Selenium as Se | 10 | 2/46 | µg/L | <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 CaCO ₃ | | 2/42 | mg/L | 354 | |
| | * Total Alkalinity as CaCO ₃ | | 2/43 | mg/L | 337 | |
| | * Chloride as Cl | 250 | 2/40 | mg/L | 29 | |
| 40* | Sulphate as SO ₄ | 250 | 2/41 | mg/L | <20 | |
| 41* | Sodium as Na | 200 | 2/38 | mg/L | 17 | |
| | *Potassium as K | | 2/39 | mg/L | 8 | |

*Remarks

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



Christopher Laffey

Dr. Christopher Laffey
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.