

Schedule of Accreditation



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|---|---|
| Organisation Name | Laois County Council |
| Trading As | |
| INAB Reg No | 344T |
| Contact Name | Marc Chawke |
| Address | Environmental & Water Quality Laboratory, IDA Business & Technology Park, Mountrath Road, Laois |
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| Website | |
| Accreditation Standard | EN ISO/IEC 17025 T |
| Standard Version | 2017 |
| Date of award of accreditation | 26/10/2016 |
| Scope Classification | Biological and veterinary testing |
| Scope Classification | Chemical testing |
| Services available to the public ¹ | |

¹ Refer to document on interpreting INAB Scopes of Accreditation

| Sites from which accredited services are delivered | | |
|--|-------------|---|
| (the detail of the accredited services delivered at each site are on the Scope of Accreditation) | | |
| | Name | Address |
| 1 | Head Office | Environmental & Water Quality Laboratory, IDA Business & Technology Park, Mountrath Road, Laois |

Scope of Accreditation

Head Office

Biological and Veterinary Testing

Category: A

| Biology/veterinary field - Tests | Test name | Technique | Matrix | Equipment | Std. reference |
|--|---|--|---------------|--|--|
| 803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria | Enumeration of Coliform Bacteria | Defined Substrate Technology (IDEXX Colilert 18) | Potable Water | Laminar Flow BS Cabinet, IDEXX Sealer & Incubator (37+/- 10C) | Enumeration of Total Coliforms & E. coli - LS010 - The Microbiology of Drinking Water Part 4D – 2016 |
| | Enumeration of Colony Count @ 22 Degrees Celsius in Potable Water | Pour Plate Technique | Potable Water | Laminar Flow BS Cabinet, Incubator 22oC (+/- 1), Stuart Colony Counter, VWR Water Bath | Microbiology of Drinking Water 2012 Part A |
| | Enumeration of E. coli | Defined Substrate Technology (IDEXX Colilert 18) | Potable Water | Laminar Flow BS Cabinet, IDEXX Sealer, Fluorescence Cabinet & Incubator (37+/- 10C) | Enumeration of Total Coliforms & E. coli - LS010 - The Microbiology of Drinking Water Part 4D – 2016 |
| | Enumeration of Enterococci (S&B Method) | Membrane Filtration | Potable Water | Membrane Filtration Manifold & Vacuum Pump, Incubator @ 36oC +/- 2, Incubator @ 44oC +/- 1 | ISO 7899-2 (2000) Part 2: Membrane Filtration |

Chemical Testing

Category: A

| Chemistry Field - Tests | Test name | Analyte | Range of measurement | Matrix | Equipment/technique | Standard reference/SOP |
|---|-------------------------------|-------------------------------|--|---------------|---------------------|--|
| 766 Environmental testing (inc. waters) - .05 Inorganic | Ammonia | Ammonia | 0.02 - 5 mg/l N 0.025 - 6.3 mg NH ₄ /l | Potable Water | Spectrophotometry | SOP LS020 (HMSO Ammonia in Waters [1981]) |
| | Colour | Colour | 5 - 50 Hazen | Potable Water | Spectrophotometry | SOP LS017 (HMSO Colour & Turbidity in Waters [1981]) |
| | Conductivity | Conductivity | 100 - 5000 µS/cm | Potable Water | Conductimetry | SOP LS015 (APHA/AWWA 2023 2510B) |
| | Nitrate (by calculation) | Nitrate (by calculation) | 1- 40 mg/l N 4.4 - 170 mg NO ₃ /l | Potable Water | Spectrophotometry | SOP LS019 (HMSO Oxidised Nitrogen in Waters [1981]) |
| | Nitrite | Nitrite | 0.015 -2.8 mg/l N 0.049 - 9.1 mg NO ₂ /l | Potable Water | Spectrophotometry | SOP LS018 (HMSO Oxidised Nitrogen in Waters [1981]) |
| | Total Hardness | Total Hardness | 40 - 1000 mg/l CaCO ₃ | Potable Water | Spectrophotometry | SOP LS025 USEPA Method 130.1 |
| | Total Oxidised Nitrogen (TON) | Total Oxidised Nitrogen (TON) | 1- 40 mg/l N 4.4 - 170 mg NO ₃ /l | Potable Water | Spectrophotometry | SOP LS019 (HMSO Oxidised Nitrogen in Waters [1981]) |
| | Turbidity | Turbidity | 0.5 - 200 NTU | Potable Water | Nephelometry | SOP LS014 (HMSO Colour & Turbidity in Waters [1981]) |
| 767 Physical test/measurement - .01 pH | pH | pH | 4 to 10 | Potable Water | Potentiometry | SOP LS013 APHA/AWWA 2023 24th Ed 4500-H |