

Accreditation Certificate

Kerry County Council

Áras an Chontae, Rathass, Tralee, Co. Kerry

Testing Laboratory

Registration number: **340T**

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard **ISO/IEC 17025:2005 2nd Edition**

“General Requirements for the Competence of Testing and Calibration Laboratories”

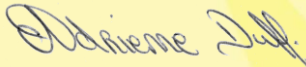
(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)

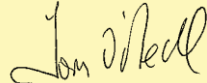
Date of award of accreditation: **08:12:2015**

Date of last renewal of accreditation: **n/a**

Expiry date of this certificate of accreditation: **08:12:2020**

This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.


Manager: _____
Dr Adrienne Duff


Chairperson: _____
Mr Tom O'Neill

Issued on 08 December 2015

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.

INAB is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement, for Testing.

Schedule of Accreditation



(Annex to Accreditation Certificate)

Permanent Laboratory:

Category A

KERRY COUNTY COUNCIL LABORATORY

Chemical and Biological Testing Laboratory

Initial Registration Date : 08-December-2015

Postal Address: Áras an Chontae,
(Address of other locations as they apply) Rathass,
Tralee,
Co. Kerry.

Telephone: +353 (66) 7183592

Fax: +353 (66) 7161819

E-mail: dlenihan@kerrycoco.ie

Contact Name: David Lenihan

Facilities: Normally not available for Public testing

Schedule of Accreditation



Permanent Laboratory:
Category A

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

Testing and Calibration Categories:

- Category A:** Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.
- Category B:** Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.
- Category C:** Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.
- Category D:** Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using
- (a) portable test equipment
 - (b) a site laboratory
 - (c) a mobile laboratory or
 - (d) equipment from a mobile or site laboratory

Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

Glossary of Terms

Facilities:

- Public calibration/testing service:** Commercial operations which actively seek work from others.
- Conditionally available for public calibration/testing:** Established for another primary purpose but, more commonly than not, is available for outside work.
- Normally not available for public calibration/testing:** Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

Scope of Accreditation



Kerry County Council Laboratory Chemical Testing Laboratory

Permanent Laboratory:
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters		Documented in-house methods based on AQKM based on HMSO-1981
.01 Waters for potable and domestic purposes	Ammonia 0.05-1 mg/L as N	541-P-004
	Chloride 5-80 mg/L Cl	541-P-006
.99 Other waters - surface waters	Total Oxidised Nitrogen 0.5-10 mg/L as N	541-P-016
	Sulphate 5-100 mg/L SO ₄	541-P-024
	Nitrite 0.05 - 1 mg/L as N	541-P-018
	pH 4-10	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 4500-H 541-P-020
	Conductivity 15-2500 µS/cm	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 2510-B 541-P-011

Scope of Accreditation



Kerry County Council Laboratory Chemical Testing Laboratory

Permanent Laboratory:
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters		
.01 Waters for potable and domestic purposes	Turbidity by nephelometric method 0.25-10 NTU	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 2130-B 541-P-029
	Fluoride by Ion Selective Electrode 0.1-2. mg/l F	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 4500-F 541-P-012
.01 Waters for potable and domestic purposes	Colour 5-100 Hazen units	Hach Method 8025 541-P-010
.99 Other waters - surface waters		
.01 Waters for potable and domestic purposes	Major Ions by ICP-MS Calcium 1-100mg/l Ca	Documented in-house method based on USEPA Method 200.8 (1999) 541-P-038
.99 Other waters - surface waters	Sodium 5 - 100 mg/l	

Scope of Accreditation



Kerry County Council Laboratory Chemical Testing Laboratory

Permanent Laboratory:
Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters .01 Waters for potable and domestic purposes .99 Other waters - surface waters	Metals by ICP-MS Arsenic 1-500 µg/l As Chromium 1-500 µg/l Cr Iron 20-1000 µg/l Fe Manganese 1-500 µg/l Mn Nickel 10-500µg/l Ni Cadmium 1-500 µg/l Cd Lead 1-300µg/l Pb Selenium 1-500 µg/l Se Copper 0.002-1.0 mg/l Cu Zinc 20 - 1000 µg/l Zn	Documented in-house method based on USEPA Method 200.8 (1999) 541-P-030
766, Waters .04 Sewage .05 Trade Effluent .08 (WWTP) Effluent Waste water treatment plant .99 Other Waters <i>Leachate</i>	Determination Chemical oxygen Demand(COD) - 13- 100000 mg/l O ₂ - 13- 100000 mg/l O ₂ - 13- 100000 mg/l O ₂ - 13- 100000 mg/l O ₂	Documented in house methods based on HACH reactor digestion method 3000 for water and wastewater 541-P-009

Scope of Accreditation



Kerry County Council Laboratory

Biological Testing Laboratory

Permanent Laboratory:

Category A

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
870 Waters, including effluents .11 Bacteriological condition of potable waters	Enumeration of Coliforms & E.coli by Idexx (Colilert 18) Quanti Tray	Documented in-house method based on MPN by IDEXX Colilert 18 and ISO 9308-2:2012 541-P-031
870 Waters, including effluents .16 Bacteriological condition of environmental waters (Marine Waters)	Enumeration of Escherichia coli in Marine Waters by Colilert-18 IDEXX Quanti -Tray	Documented in-house method based on MPN by IDEXX Colilert 18 and ISO 9308-2:2012 541-P-039

Scope of Accreditation



Kerry County Council Laboratory

Permanent Laboratory:
Category A

► Biological Testing Laboratory

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
870 Waters, including effluents .11 Bacteriological condition of potable waters	Enumeration of Clostridium Perfringens by Membrane Filtration using mCP agar.	Documented in-house method SOP 541-P-033, based on ASTM D5916-96 (2002) and S.I. No.122 of 2014. European Union Drinking Water Regulation.

870 Bacteriological Examination of Environmental waters .11 Potable waters .99 Marine waters	Enumeration of Enterococci by membrane filtration method	Documented in house method SOP 541-P-035 based on ISO 7899-2:2000(E)
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