

Accreditation Certificate

Environmental Protection Agency

Seville Lodge, Callan Road, Kilkenny

Testing Laboratory

Registration number: 293T

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: 13:09:2011

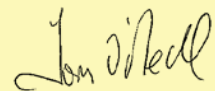
Date of last renewal of accreditation: 13:09:2011

Expiry date of this certificate of accreditation: 13:09:2016

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 13 September 2011

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.

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

Schedule of Accreditation



(Annex to Accreditation Certificate)

Permanent Laboratory:
Category A & B

ENVIRONMENTAL PROTECTION AGENCY, KILKENNY

Chemical Testing Laboratory

Initial Registration Date : 13 September 2011
Postal Address: Seville Lodge,
(Address of other locations as they apply) Callan Road
Kilkenny
Telephone: +353 (56) 7796700
Fax: +353 (56) 7796799
E-mail: j.smith@epa.ie
Contact Name: Jean Smith
Facilities: Normally not available for Public testing

Schedule of Accreditation



Permanent Laboratory:
 Category A & B

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



Environmental Protection Agency Chemical Testing Laboratory

Permanent Laboratory:
Category B

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters (Chemical Testing)	FIELD METHODS:	Documented in-house procedures, based on the following standards:
.01 Waters for potable and domestic purposes	Conductivity 20-1600 µS/cm	Method B.23, based on: APHA 2005, 2510-B
.02 Waters for irrigation of stock	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500- H+
.03 Waters for industrial and steam raising purposes		
.99 Other waters <i>Surface waters</i>		
.04 Sewage	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500- H+
.05 Trade Wastes	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500- H+

Scope of Accreditation



Environmental Protection Agency 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 (Chemical Testing)	LABORATORY METHODS:	Documented in-house procedures, based on the following standards:
.01 Waters for potable and domestic purposes	Conductivity 20 - 1600 μ S/cm	Method B.23, based on: APHA 2005, 2510-B
.02 Waters for irrigation of stock	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500-H+
.03 Waters for industrial and steam raising purposes	Turbidity 0.2-1000 NTU	Method B.07, based on: APHA 2130-B
.99 Other waters <i>Surface waters</i>	Ammonia 0.01 - 25 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: UK SCA MEWAM - 1981
	Chloride 1-2500 mg/l Cl	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-Cl E
	Total Oxidised Nitrogen (TON) 0.2-400 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500- NO ₃ H

Scope of Accreditation



Environmental Protection Agency 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 (Chemical Testing)	LABORATORY METHODS:	Documented in-house procedures, based on the following standards:
.01 Waters for potable and domestic purposes	Nitrite 0.002-2.5 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-NO ₂ B
.02 Waters for irrigation of stock	Orthophosphate 0.01 - 25 mg/l P	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-P
.03 Waters for industrial and steam raising purposes	Colour 5 - 1250 Hazen	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 2120-C
.99 Other waters <i>Surface waters</i>	Fluoride 0.05-2.0 mg/l F	Method J.01 - Ion Chromatography, based on: APHA 2005, 4110B
	Sulphate 2.5-100 mg/l SO ₄	Method J.01 - Ion Chromatography, based on: APHA 2005, 4110B

Scope of Accreditation



Environmental Protection Agency 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 (Chemical Testing)	LABORATORY METHODS:	Documented in-house procedures, based on the following standards
.02 Waters for irrigation of stock	Chemical Oxygen Demand 20-1500mg/l O ₂	Method B.10, based on APHA 2005, 5220
.03 Waters for industrial and steam raising purposes	Suspended Solids 5 - 625 mg/l	Method B.06, based on APHA 2005, 2540-D
.99 Other waters <i>Surface waters</i> <i>Clean waters</i>	Biochemical Oxygen Demand 1.0 - 1000 mg/l O ₂	Method B.01 based on APHA 2005, 5210

Scope of Accreditation



Environmental Protection Agency

Permanent Laboratory:

Chemical Testing 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 (Chemical Testing) .04 Sewage	LABORATORY METHODS:	Documented in-house procedures, based on the following standards:
	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500-H+
	Chemical Oxygen Demand 20-1500mg/l O ₂	Method B.10, based on APHA 2005, 5220
	Biochemical Oxygen Demand 1.0 - 1000 mg/l O ₂	Method B.01 based on APHA 2005,5210
	Ammonia 0.01- 25 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: UK SCA MEWAM - 1981
	Chloride 1-2500 mg/l Cl	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-Cl E
	Total Oxidised Nitrogen (TON) 0.2- 400 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-NO ₃ H
	Nitrite 0.002-2.5 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-NO ₂ B
Orthophosphate 0.01 - 25 mg/l P	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-P	

Scope of Accreditation



Environmental Protection Agency 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 (Chemical Testing) .05 Trade Wastes	LABORATORY METHODS:	Documented in-house procedures, based on the following standards
	pH 4.0-10.0	Method B.23, based on: APHA 2005, 4500-H+
	Chemical Oxygen Demand 20-1500mg/l O ₂	Method B.10, based on APHA 2005, 5220
	Suspended Solids 5 - 625 mg/l	Method B.06 based on APHA 2005, 2540-D
	Biochemical Oxygen Demand 1.0 - 1000 mg/l O ₂	Method B.01 based on APHA 2005, 5210
	Ammonia 0.01- 25 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: UK SCA MEWAM - 1981
	Chloride 1-2500 mg/l Cl	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-Cl E
	Total Oxidised Nitrogen (TON) 0.2-400 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-NO ₃ H

Scope of Accreditation



Environmental Protection Agency

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 (Chemical Testing) .05 Trade Wastes	LABORATORY METHODS:	Documented in-house procedures, based on the following standards:
	Nitrite 0.002-2.5 mg/l N	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-NO ₂ B
	Orthophosphate 0.01 - 25 mg/l P	Method C.01 - Automated Colorimetry, using KONELAB Discrete Analyser, based on: APHA 2005, 4500-P
	Fluoride 0.05-2.0 mg/l F	Method J.01 - Ion Chromatography, based on: APHA 2005, 4110B
	Sulphate 2.5-100 mg/l SO ₄	Method J.01 - Ion Chromatography, based on: APHA 2005, 4110B