

# Accreditation Certificate

## Southern Scientific Services Ltd.

Dunrine, Killarney, Co. Kerry

Testing Laboratory

Registration number: 194T

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 2<sup>nd</sup> Edition *“General Requirements for the Competence of Testing and Calibration Laboratories”* (This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)

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Date of award of accreditation: 22:04:2008

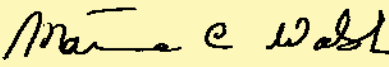
Date of last renewal of accreditation: 22:04:2008

Expiry date of this certificate of accreditation: 22:04:2013

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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:   
Mr Tom Dempsey

Chairperson:   
Dr Máire Walsh

Issued on 22 April 2008

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

## SOUTHERN SCIENTIFIC SERVICES LTD.

### Chemical & Biological Testing Laboratory

*Initial Registration Date :* 22-April-2008  
*Postal Address:* Dunrine, Killarney, Co. Kerry  
*Telephone:* +353 (0)64 33922  
*Fax:* +353 (0)64 39022  
*E-mail:* [info@southernscientificireland.com](mailto:info@southernscientificireland.com)  
*Contact Name:* Karen Lavery  
*Facilities:* Public testing service

# 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
- portable test equipment
  - a site laboratory
  - a mobile laboratory or
  - 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



Southern Scientific Services Ltd.

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 procedure SCP 027
.01 Waters for potable and domestic purposes		Operation of Aquakem 250 Auto Analyser and
.99 Other waters <i>Ground waters</i> <i>Surface waters</i> <i>Effluents</i> <i>Leachates</i>	Determination of: Ammonia 0.02-12 mg/L N  Chloride 0.5-600 mg/L Cl  Orthophosphate 0.01-12 mg/L P  Sulphate 0.5-600 mg/L SO <sub>4</sub>  Total oxidised Nitrogen 0.2 - 50 mg/L N  Nitrite 0.005 - 10 mg/L N  Nitrate 0.25-45 mg/L N  Alkalinity 5-800 mg/L CaCO <sub>3</sub>  Total Hardness 5-600 mg/L CaCO <sub>3</sub>	SCP 027a  SCP 027b  SCP 027c  SCP 027d  SCP 027e  SCP 027f  SCP 027g  SCP 027h  SCP 027 i

# Scope of Accreditation



Southern Scientific Services Ltd.

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	Determination of:	Documented in house procedure based on the Examination of Water and Wastewater 20 <sup>th</sup> Edition
.01 Waters for potable and domestic purposes		
.04 Sewage	BOD 1-32,000 mg/L O <sub>2</sub>	SCP 015 Determination of Biochemical Oxygen Demand
.06 Saline waters		
.99 Other waters		
<i>Ground waters</i>		
<i>Surface waters</i>		
<i>Effluents</i>		
<i>Leachates</i>		

# Scope of Accreditation



Southern Scientific Services Ltd.

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
811 .04	Microbiological tests on foods Fish, shellfish and molluscs	Enumeration of <i>E. coli</i> by The Multiple Tube Method	Documented in house method: SMP 018 Enumeration of <i>E. coli</i> in molluscan bivalve shellfish based on CEFAS standard operating procedure, Issue No. 4: 15105103
870 .11	Waters, including effluents Bacteriological condition of potable waters	Enumeration of coliforms and <i>E. coli</i> by the colilert method	Documented in house method: SMP 019 Enumeration of coliforms and <i>E. coli</i> by the colilert method based on the Health Protection Agency (2004) National Standard Method W18 Issue 2.3: 03105105