

Accreditation Certificate

European Refreshments (t/a) Ballina Beverages

Killala Road, Ballina, Co. Mayo

Testing Laboratory

Registration number: 366T

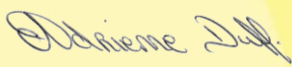
is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard **ISO/IEC 17025:2005 2nd Edition** “*General Requirements for the Competence of Testing and Calibration Laboratories*”
(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)


Date of award of accreditation: **24:11:2017**

Date of last renewal of accreditation (as 149T): **05:12:2013**

Expiry date of this certificate of accreditation: **05:12:2018**

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: 
Ms Ita Kinahan

Issued on 24th November 2017

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

European Refreshments (t/a)

Ballina Beverages

Chemical Testing Laboratory

Initial Registration Date : 24th November 2017
Postal Address: Killala Road
(Address of other locations as they apply) Ballina
Co. Mayo
Telephone: +353 (096) 74200
Fax: +353 (096) 74612
E-mail: fimurphy@coca-cola.com
Contact Name: Mr Finbarr Murphy
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 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



European Refreshments (t/a) Ballina Beverages 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
751 Foods .21 Others - <i>Beverage Concentrates</i>	Quantitative analysis of Specific Gravity 0.86964 - 1.62267 t/t Quantitative analysis of two lemon oils 0.02 - 0.8 % w/w and one lime oil 0.2 % w/w Quantitative analysis of Brix 5-66% Quantitative Analysis of Phosphoric Acid 7-60.0% w/w	Documented in house methods: DOC-01695 (Density Meter) DOC-01977 (GC - FID) DOC-02097 (Refractometer) DOC-02105 (Ion Chromatography)
751 Foods .21 Others - <i>Caramel</i>	Quantitative analysis of 3.5 - dimethyl pyrazine 3.6 - dimethyl - 2 - ethyl pyrazine 1 - 200 µg/kg	DOC-01989 (GC - MS)

Scope of Accreditation



European Refreshments (t/a) Ballina Beverages 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
751 Foods		
.21 Others <i>-Food Ingredients</i>	Identification Analysis of 39 Powder Ingredients by Near Infra-red Spectrometry	DOC-00873 (NIR)
.21 Others <i>-Powder Ingredients</i>	Conformity Testing of powder ingredients, Conformity Index 0-8.0	DOC-01332 (NIR)
.21 Others <i>-Food Ingredients - Salts</i>	Quantitative analysis of Bromide Salts 3.0 - 120 mg/kg Solutions: 30 -1200 µg/L	DOC-01927 (Ion Chromatography)
.21 Others <i>-Beverage Emulsion Concentrate</i>	Particulate Size Range 0.1µM - 20µM	DOC-02001 Laser Diffraction
.21 Others <i>-Beverage Concentrates</i>	Tristimulus Color by Transmittance Measurement L = 0-100 a = -100 - +100 b = -100 - +100	DOC-02093 Hunterlab ColorQuest

Scope of Accreditation



European Refreshments (t/a) Ballina Beverages 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
.10 Non-alcoholic beverages -Fruit Juices	Quantitative analysis of Brix 5-66%	DOC-02097 (Refractometer)
.21 Others -Caramel -Natural Colour Solutions	pH Range, pH 2 - 10	DOC-02142 pH Meter
.21	4 Methylimidazole 0.5 - 50 µg/L	DOC - 02028
21 Liquid	TTA (citric) 1-100% w/w	DOC - 02162
21	Assay Phosphoric 60 - 86%	DOC - 02162
.10 Solid	TTA (citric) 1-100% w/w	DOC - 02162
.21	Caffeine, Aspartame, Acesulphame - K, Sodium Benzoate, Potassium Sorbate 0.003% w/w 0.02% w/w	DOC - 02123