

Accreditation Certificate

Enva Ireland Ltd

Clonminam Industrial Estate, Portlaoise, Co Laois trading as Enva

Testing Laboratory

(Ringaskiddy Rd, Cork)

Registration number: 185T

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: **10:08:2007**


Date of last renewal of accreditation: **24:04:2017**

Expiry date of this certificate of accreditation: **24:04:2022**

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 April 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

ENVA IRELAND LTD

Microbiological Testing Laboratory: 10/08/2007

Chemical Testing Laboratory: 13/09/2011

Initial Registration Date : 10-August-2007

Postal Address:

(Address of other locations as they apply) Raffeen Industrial Estate
Ringaskiddy Rd, Monkstown
Co.Cork

Telephone: +353 (21) 4387200

Fax: +353 (21) 4387299

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Contact Name: Orla Dalton

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 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



Enva Ireland Ltd

Permanent Laboratory:

Category A

Microbiological Testing Laboratory located at Ringaskiddy Road, Monkstown, Co Cork.

INAB Classification number (P9)	Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
811	Microbiological tests on food		
.01	Dairy Products	Enumeration of Coliforms	FTCM.002 based on BS ISO 4832:2006
.02	Egg and egg products	Enumeration of E.coli	FTCM.020 based on BS ISO 16649-2:2001
.03	Meat Products & Meat, Game and Poultry	Enumeration of Staphylococcus aureus	Coagulase Positive S.Aureus FTCM.003 based BSEN, ISO 6888-1:1999 Rev.02
.04	Fish, shellfish and molluscs	Aerobic Count @ 30 °C	Total Bacterial Count : FTCM.001B based on BS EN ISO 4833-1 : 2013
.08	Fruit and Vegetables		
.21	Others - Heat processed foods in sealed containers	Detection of Salmonella	FTCM.007 based on BS EN ISO 6579 : 2002
819	Microbiological tests on other materials - Chick Pads Dust / Droppings and Animal Feeds	Detection of Salmonella	FTCM.007 based on BS EN ISO 6579:2002 4th Edition and amendment 1:2007

Scope of Accreditation



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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
818 Microbiological tests for factory hygiene purposes		
.01 Factory Surfaces	Enumeration of Coliforms	FTCM.002 based on BS ISO 4832:2006
	Aerobic Colony Count @ 30°C	Total Bacterial Count: FTCM.001B based on BS EN ISO 4833-1:2013
	Enumeration of Staphylococcus aureus	FTCM.003 based on BS EN ISO 6888-1:1999
	Enumeration of E. coli	FTCM.020 based on ISO 16649-2:2001
	Enumeration of Enterobacteriaceae	FTCM.010 based on BS ISO 21528-2:2004
	Detection of Salmonella	FTCM.007 based on BS EN ISO 6579:2002
	Enumeration of Listeria monocytogenes and Listeria spp.	FTCM.021 based on ISO 11290-2:1998 AMD 1:2004
	Detection of Listeria species & Listeria monocytogenes	FTCM.008A based on ISO 11290-1:2004

Scope of Accreditation



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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
811 Microbiological tests on food		
.01 Dairy Products	Enumeration of E. coli: Colony count technique using membranes	FTCM.020A based on BS ISO 16649-1:2001 & Marks & Spencer Method 3.5: September 2015
.02 Egg and egg products		
.03 Meat Products & Meat, Game and Poultry	Enumeration of Listeria monocytogenes and Listeria spp.	FTCM.021 based on ISO 11290-2:1998 AMD 1:2004
.04 Fish, shellfish and molluscs		
.21 Others - Heat processed foods in sealed containers		
.12 Vegetables & Vegetable Products	Enumeration of Listeria monocytogenes and Listeria spp.	FTCM.021 based on ISO 11290-2:1998 AMD 1:2004
.01 Dairy Products	Enumeration of: Enterobacteriaceae	FTCM:010 By Colony-Count Technique based on BS ISO 21528-2:2004
.03 Meat Products & Meat, Game and Poultry		
.23 Animal feeds		

Scope of Accreditation



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811 Microbiological tests on food		
.01 Dairy products	Detection of Listeria species & Listeria monocytogenes	FTCM.008A based on ISO 11290-1:2004
.02 Egg & egg products		
.03 Meat and meat products, game and poultry	Detection of Listeria species & Listeria monocytogenes using the ALOA One Day Method	FTCM.008B based on ISO 11290-1:2004 and Biorad AL Short Potocol for Listeria Detection
.04 Fish, shellfish & Molluscs		
.05 Fats & oils		
.06 Soups, Broths & sauces	Enumeration of presumptive Bacillus cereus	FTCM.005 based on ISO 7932:2004
.07 Cereals & bakery Products		
.08 Fruit & vegetables	Enumeration of microorganisms - Colony Count Technique @ 30° C for 48 hours	FTCM.001B based on BS EN ISO 4833:2003
.09 Herbs & spices		
.13 Ices & desserts		
.14 Cocoa & cocoa preparations	Enumeration of Clostridium perfringens - Colony Count Technique	FTCM.004 based on BS EN ISO 7937:2004
.15 Confectionary		
.16 Nuts & nut products, snacks		
.17 Prepared dishes		
818 Microbiological tests for factory hygiene purposes		
.01 Surfaces		

Scope of Accreditation



Enva Ireland Ltd

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INAB Classification number (P9)	Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
811	Microbiological tests on food	Enumeration of Yeasts & Moulds aW > 0.95	FTCM.009A based on ISO 21527-1:2008
.01	Dairy products	Enumeration of Yeasts & Moulds aW > 0.60 & ≤ 0.95	FTCM.009B based on ISO 21527-2:2008
.02	Egg & egg products		
.03	Meat and meat products, game and poultry	Detection of Campylobacter	FTCM.17 based on BS EN ISO 10272-1:2006
.04	Fish, shellfish & Molluscs		
.05	Fats & oils	Enumeration of Campylobacter spp. Colony Count Technique	FTCM.17A based on BS EN ISO 10272-2:2006 and Afnor ref. BRD 07/25-01/14
.06	Soups, Broths & sauces		
.07	Cereals & bakery Products		
.08	Fruit & vegetables		
.09	Herbs & spices		
.13	Ices & desserts		
.14	Coccoa & cocoa preparations		
.15	Confectionary		
.16	Nuts & nut products, snacks		
.17	Prepared dishes		
818	Microbiological tests for factory hygiene purposes		
.01	Surfaces		

Scope of Accreditation



Enva Ireland Ltd

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811 Microbiological tests on food		
.01 Dairy products - Cheeses made from raw milk	Enumeration of Staphylococcus Aureus Part 2	FTCM.003A based on BS EN ISO 6888-2:1999
.01 Dairy products	Enumeration of Pseudomonas spp.	FTCM.014 based on BS EN ISO 13720:2010
.03 Meat & Meat products, game and poultry		
.04 Fish, shellfish & Molluscs	Enumeration of E.coli by most probable number technique	FTCM.020B based on ISO 16649-3:2005
.07 Cereals & Bakery Products	Detection of Salmonella	FTCM.007 based on BS EN ISO 6579:2002
.15 Confectionary		
.18 Foodstuffs intended for special nutritional uses (vitamins, minerals and vitamin & mineral premixes)	Aerobic Colony Count @ 37 °C	Total Bacterial Count: FTCM.001B based on BS EN ISO 4833-1:2013

Scope of Accreditation



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INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
818	Microbiological tests for factory hygiene purposes		
.01	Factory surfaces	Detection of Listeria species & Listeria monocytogenes	FTCM.008A based on ISO 11290-1:2004
870	Waters, including effluents		
.11	Bacterial condition of potable waters	Enumeration of Enterococci by membrane filtration	FTCM.024 based on the Microbiology of Drinking Water (2010) Part 5 & ISO 7899-2:2000
		Enumeration of Coliforms and E. coli by IDEXX Quanti Tray (Colilert)	FCTM.025 based on ISO 9308-2 Part 2 and microbiology of drinking water 2002:part 4
		Enumeration of micro-organisms in water by Aerobic Colony Count technique	FCTM.022 based on BS EN ISO 6222:1999

Scope of Accreditation



Enva Ireland Ltd

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870 Waters, including effluents		
.11 Bacterial condition of potable waters	Enumeration of Clostridium Perfringens by Membrane Filtration	FTCM.024 based on BS ISO 14189:2013
.15 Bacteriological condition of swimming pools and spas	Enumeration of Pseudomonas aeruginosa by IDEXX Quanti Tray	FTCM.029A based on ISO 16226:2008 and IDEXX Pseudalert Method
.99 Other tests - Bottled water	Enumeration of Pseudomonas aeruginosa by IDEXX Quanti Tray	FTCM.029A based on ISO 16226:2008 and IDEXX Pseudalert Method
811 Microbiological tests on food	Quantitative determination of Gluten and Egg allergen in food products by ELISA	ENVE 01, ENVE 02 using r-Biopharm FAST Gliadin and r-Biopharm FAST Ei/Egg Protein enzyme linked immunosorbent assay (ELISA) test kits
.01 Dairy Products		
.03 Meat Products & Meat, Game and Poultry		
.04 Fish, Shellfish & Molluscs		
.06 Soups, Broths & Sauces	Quantitative determination of Gluten & Egg allergen in food products by ELISA	ENVE 01, ENVE 02 using r-Biopharm FAST Gliadin and r-Biopharm FAST Ei/Egg
.07 Cereals & Bakery		

Scope of Accreditation



Enva Ireland Ltd

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Category A

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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
Products		Protein enzyme linked immunosorbent assay (ELISA) test kits
.08 Fruit & Vegetables		
.13 Ices & Desserts		
.14 Cocoa & Cocoa Preparations		
.15 Confectionary		
.17 Prepared Dishes		
.21 Others Heat Processed Foods in Sealed Containers		
818 Microbiological tests for factory hygiene purposes	Quantitative determination of Gluten & Egg allergen on surfaces by ELISA	ENVE 01, ENVE 02 using r-Biopharm FAST Gliadin and r-Biopharm FAST Ei/Egg Protein enzyme linked immunosorbent assay (ELISA) test kits
.01 Factory Surfaces		

Scope of Accreditation



Enva Ireland Ltd

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Category A

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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
<p>811 Microbiological tests on food</p> <p>.01 Dairy Products</p> <p>.03 Meat Products & Meat, Game and Poultry</p> <p>.04 Fish, Shellfish & Molluscs</p> <p>.05 Oils & Fats</p> <p>.06 Soups, Broths & Sauces</p> <p>.07 Cereals & Bakery Products</p> <p>.08 Fruit & Vegetables</p> <p>.09 Herbs & Spices \</p> <p>.13 Ices & Desserts</p> <p>.14 Cocoa & Cocoa Preparations</p> <p>.15 Confectionary</p> <p>.16 Nuts & Nut Products, Snacks</p> <p>.17 Prepared Dishes</p> <p>.18 Foodstuffs Intended for Special Nutritional Uses</p> <p>.21 Others</p> <p>Heat Processed Foods in Sealed Containers</p>	<p>Quantitative determination of Gluten allergen in food products</p>	<p>ENVE 03 r-Biopharm Gliadin Protein enzyme linked immunosorbent assay (ELISA) test kits</p>

Scope of Accreditation



Enva Ireland Ltd

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INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
818 Microbiological tests for factory hygiene purposes .01 Factory Surfaces	Quantitative determination of Gluten allergen on surfaces	ENVE 03 r-Biopharm Gliadin Protein enzyme linked immunosorbent assay (ELISA) test kits
811 Microbiological tests on food .01 Dairy Free Spreads .07 Cereals & Bakery Products .13 Ices & Desserts	Quantitative determination of β -lactoglobulin allergen in food products	ENVE 04 using r-Biopharm FAST β -lactoglobulin protein enzyme linked immunosorbent assay (ELISA) test kits
818 Microbiological tests for factory hygiene purposes .01 Factory Surfaces	Quantitative determination of β -lactoglobulin allergen on surfaces	ENVE 04 using r-Biopharm FAST β -lactoglobulin protein enzyme linked immunosorbent assay (ELISA) test kits

Scope of Accreditation



Enva Ireland Ltd

Permanent Laboratory:

Category A

Chemical Testing Laboratory located at Ringaskiddy Road, Monkstown, Co Cork.

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
811 Microbiological tests on food	Quantitative determination of casein allergen in food products	ENVE 05 using r-Biopharm FAST casein protein enzyme linked immunosorbent assay (ELISA) test kits
.01 Dairy Free Spreads		
.05 Oils & Fats		
.07 Cereals & Bakery Products		
.13 Ices & Desserts		
818 Microbiological tests for factory hygiene purposes	Quantitative determination on casein allergen on surfaces	ENVE 05 using r-Biopharm FAST casein protein enzyme linked immunosorbent assay (ELISA) test kits
.01 Factory Surfaces		

Scope of Accreditation



Enva Ireland Ltd

Permanent Laboratory:

Category A

Chemical Testing Laboratory located at Ringaskiddy Road, Monkstown, Co Cork.

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters		
.04 Sewage	Chemical Oxygen Demand, Range: 10-100,000 mg/l	ENVCM-21 Documented in-house method based on BS ISO 15705:2002 (Colorimetry)
.05 Trade waste		
.99 Other waters	Nitrate, Range:1-100 mg/l NO3-N	ENVCM-15 Documented in-house method based on Hach Method 10020 (Colorimetry)
	Total Phosphorus, Range: 0.1-1000 mg/l	ENVCM-19; Documented in-house method based on APHA 22nd Ed. section 4500-P.E. using (Digestion and Colorimetry)
	Total suspended solids, Range: 10-10,000 mg/l	ENVCM-34 Documented in-house method based on BS EN 872:2005 (Gravimetry)
	pH, Range: 2 - 12	ENVCM-23 Documented in-house method based on APHA 22nd Ed. Section 4500-H+B (Electrode method)

Scope of Accreditation



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Chemical Testing Laboratory located at Ringaskiddy Road, Monkstown, Co Cork.

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters .04 Sewage .05 Trade waste .99 Other waters	Orthophosphate, Range: 0.1-25 mg/l PO ₄ -P (Soluble)	ENVCM-18 Documented in-house method based on APHA 22nd Ed. section 4500-P.E. (Colorimetry)
766 Waters .05 Trade waste .99 Other waters	Nitrate, Range: 1-100 mg/l NO ₃ -N Chloride, Range: 6-10,000 mg/l	ENVCM-15 Documented in-house method based on Hach Method 10020 (Colorimetry) ENVCM-33; Documented in-house method based on APHA 22nd Ed. Section 4500-Cl-B (Argentometric method)

Scope of Accreditation



Enva Ireland Ltd

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Chemical Testing Laboratory located at Ringaskiddy Road, Monkstown, Co Cork.

INAB Classification number (P9) Materials/products tested	Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766 Waters .05 Trade waste .06 Sewage .99 Other waters <i>Surface waters</i>	Ammonia, Range: 0.2- 100 mg/l NH ₃ -N Conductivity Range: 20 - 12,900 µs/cm	ENVCM.115 Documented in-house method based on Hach method 10023 based on colorimetry. ENVCM.048 Documented in-house method based on BS EN 27888:1993 by electrode.
.05 Trade wastes .99 Other waters - Surface waters	Biochemical Oxygen Demand. 5 Day Carbonaceous Method Range:- 4 to 20,500 mg/l	ENVCM.031 Documented in-house method based on BS 6068-2.14:1990 ISO 5815:1989 by electrode oxygen.