

# Schedule of Accreditation



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Trading As  
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Accreditation Standard ISO 17025 T  
Date Initially Awarded 01/06/2010  
Scope Classification Mechanical testing  
Scope Classification Chemical testing

Services available to the public<sup>1</sup>

<sup>1</sup> Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered	
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)	
Name	Address
1 Head Office	Kilbeggan Road, Clara, Offaly, R35 F583

# Scope of Accreditation

## Head Office

### Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
710 Materials testing - .03 Chemical analysis	Fourier Transform Infra Red (FTIR) Spectroscopy		Transmission or reflective qualitative scan across range 4000 $\text{cm}^{-1}$ to 650 $\text{cm}^{-1}$ Spectral resolution of 0.5 $\text{cm}^{-1}$ ( $\text{cm}^{-1}$ = wave number)			ASTM E1252- 98 (2013), Sections 7.9 and 11.4, ASTM E573-01 (2013)
710 Materials testing - .16 Thermal analysis	Differential Scanning Calorimetry (DSC)		Determination of glass transition temperature (Tg)			ISO 11357- 2:2013 Plastics – Part 2: Determination of glass transition temperature and glass transition step height
			Glass or melt transition temperatures Melt transition enthalpy ( $\Delta H$ ) Range: Dynamic range $\pm 175\text{Mw}$ Accuracy $\pm 2\%$ Precision $\pm 0.1\%$ Temperature range - 100°C to 450°C			ISO 11357- 1:2016 and ISO 11357-3:2018

Mechanical Testing

Category: A

Product categories - Tests	Test detail	Product detail	Range of Measurement	Equipment/Technique	Std. Ref & SOP	
1127 Pulpwood, pulp, paper, paperboard and products - .15 Permeability	Determination of Air Permeance and Air Resistance of Packaging Materials		0.6µm to 0.33µm / Pa s		ISO 5636-3:2013	
1127 Pulpwood, pulp, paper, paperboard and products - .49 Physical tests	Paper and Board - Determination of Grammage				ISO 536:2012	
1129 Plastic and related products - .11 Tension tests	Breaking Force and Elongation of Textile Fabrics				ASTM D5035-11 (2015) Methods 1C & 2C	
	Tensile Properties of Thin Plastic Sheeting				ASTM D882-18	
1129 Plastic and related products - .23 Ageing and environmental tests	Accelerated Aging and Real Time Aging of Sterile Barrier Systems		20°C to 70°C 15% RH to 90% RH Ambient conditions for Real Time Aging		ASTM F1980-16	
	Conditioning Containers, Packages or Packaging Components for Testing		-40°C to 180°C 0% RH to 90% RH		ASTM D4332-14 ASTM F2825-18 ISO 2233:2000 ASTM E171/E171M-11 (2015)	
1129 Plastic and related products - .99 Other tests	Flex Durability of Flexible Barrier Materials (Gelbo-Flex)		Measured as number of pinholes/300cm <sup>2</sup> at a specified cycle number as per the ASTM method		ASTM F392/F392M-11 (2015)	
	Impact Resistance of plastic film by Free-Falling Dart Method				ASTM D1709-16	
	Package Yield of Plastic Film		Measured as m <sup>2</sup> / kg Max sample weight of 0.21kgs		ASTM D4321-15	
	Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates				ASTM F1306-16	
	Static and Kinetic Co-efficient of Friction of Plastic Film and Sheeting			Max load 2 kN		ASTM D1894-14

1146 Packages and containers - .01 Physical tests	Compression Resistance of Shipping Containers, Components and Unit Loads Compression Resistance of Container under a Constant Load	Max load 22.24 kN		ASTM D642-15 ASTM D4577-05 (2018)	
	Concentrated Impacts to Transport Packages - Guided Fall			ASTM D6344-04 (2017)	
	Detection of Gross Leaks in Medical Packaging by Internal Pressurization (Bubble Leak)			ASTM F2096-11	
	Detection of Leaks in Nonporous Medical Packaging by Dye Penetration			ASTM F3039-15 Methods A & B	
	Detection of Seal Leaks in Porous Medical Packaging by Dye Penetration			ASTM F1929-15 Methods A, B & C	
	Determination of the Effects of High Altitude on Packaging Systems by Vacuum Method	100 mbar to 1000 mbar		ASTM D6653/D6653M-13	
	Drop Testing of Loaded Containers by Free Fall	Max capacity 79 kg Max drop height 1.8 m Min drop height: 125 mm		ASTM D5276-98 (2017)	
	Fixed Displacement Vibration, Rotary Motion	Max load 45 kg Peak-peak displacement 1" Frequency range 2 to 5Hz		ASTM D999-08 (2015) Method A2	
	Fixed Displacement Vibration, Vertical Motion	Max load 110 kg		ASTM D999-08 (2015) Method A1	
	Internal Pressurization Failure Resistance of Unrestricted Packages (Burst Test)	Pressure range 5 psi to 50 psi		ASTM F1140/F1140M-13	
	Random Vibration of Shipping Containers	Max load 110kg		ASTM D4728-17	
	Seal Strength of Flexible Barrier Materials	Up to 2kN		ASTM F88/F88M-15	
	Stacked vibration	Max 110kg		ASTM D4169-16, Schedule D,	

					Stacked vibration	
	Transportation testing		Minimum drop height: 125 mm		ASTM D4169-16 DC2, DC3, DC4, DC5, DC6, DC12, DC13, DC14, DC15, DC17  ISTA 1A ISTA 1C ISTA 1G ISTA 2A ISTA 2B	
1146 Packages and containers - .99 Other tests	Visual Inspection				ASTM F1886/1886M-16	