

# Schedule of Accreditation



Organisation Name	Nelipak Laboratory Services Ltd
Trading As	Nelipak Laboratory Services Ltd.
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	01/06/2010
Scope Classification	Mechanical 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

### 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 Permanence and Air Resistance of Packaging Materials		0.226µm to 56.5µm / Pa s	Bendtsen Porosity Tester	ISO 5636-3:2013
1127 Pulpwood, pulp, paper, paperboard and products - .49 Physical tests	Paper and Board - Determination of Grammage				ISO 536:2019
1129 Plastic and related products - .11 Tension tests	Breaking Force and Elongation of Textile Fabrics			Instron Test Frame	ASTM D5035-11 (R2019) Methods 1C & 2C
	Tensile Properties of Thin Plastic Sheeting			Instron Test Frame	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	Environmental Controlled Chamber	ASTM F1980-21
	Conditioning Containers, Packages or		-40°C to 80°C 0% RH to 90% RH	Environmental Controlled	ASTM D4332-22 ASTM F2825-18

	Packaging Components for Testing
1129 Plastic and related products - .99 Other tests	Determination of Air Permanence and Air Resistance of Packaging Materials
	Package Yield of Plastic Film
	Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates
	Static and Kinetic Co-efficient of Friction of Plastic Film and Sheeting
1146 Packages and containers - .01 Physical tests	Compression Resistance of Shipping Containers, Components and Unit Loads Compression Resistance of Container under a Constant Load
	Concentrated Impacts to Transport Packages - Guided Fall
	Detection of Gross Leaks in Medical Packaging by Internal Pressurization (Bubble Leak)
	Detection of Leaks in Nonporous Medical Packaging by Dye Penetration
	Detection of Seal Leaks in Porous Medical Packaging by Dye Penetration
	Determination of the Effects of High Altitude on Packaging Systems by Vacuum Method

	Chamber	ISO 2233:2000 ASTM E171/E171M-11 (R2020)
0.226µm to 56.5µm / Pa s	Bendtsen Porosity Tester	ISO 5636-3:2013
Measured as m <sup>2</sup> / kg Max sample weight of 0.21kgs	Instron/Zwick Test Frame	ASTM D4321-15
	Instron/Zwick Test Frame	ASTM F1306-21
Max load 2 kN	Instron/Zwick Test Frame	ASTM D1894-14
Max load 22.24 kN	Lansmont Compression Table	ASTM D642-20 ASTM D4577-05 (2023)
		ASTM D6344-04 (2017)
		ASTM F2096-11 (R2019)
		ASTM F3039-15 Methods A & B
		ASTM F1929-23 Methods A, B & C
100 mbar to 1000 mbar	Heraeus Vacuum Chamber	ASTM D6653/D6653M-13 (R2021)

	Drop Testing of Loaded Containers by Free Fall	Max capacity 79 kg Max drop height 1.8 m Min drop height: 125 mm	Lansmont Drop Tester	ASTM D5276-23
	Fixed Displacement Vibration, Rotary Motion	Max load 45 kg Peak-peak displacement 1" Frequency range 2 to 5Hz	Rotary Vibration Table	ASTM D999-08 (2023) Method A2
	Fixed Displacement Vibration, Vertical Motion	Max load 110 kg	Vertical Vibration Table	ASTM D999-08 (2023) Method A1
	Internal Pressurization Failure Resistance of Unrestricted Packages (Burst Test)	Pressure range 5 psi to 50 psi	Cobham Burst Tester	ASTM F1140/F1140M-13 (R2020)
	Random Vibration of Shipping Containers	Max Load 110kg	Vertical Vibration Table	ASTM D4728-22
	Seal Strength of Flexible Barrier Materials	Up to 2kN	Instron Test Frame	ASTM F88/F88M-23
	Stacked vibration	Max 110kg	Vertical Vibration Table	ASTM D4169-23, Schedule D, Stacked vibration
	Transportation testing	Minimum drop height: 125 mm		ASTM D4169-23, 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	Linear Measurement Using Precision Steel Ruler		Steel Ruler	ASTM F2203-22
	Visual Inspection			ASTM F1886/1886M-16