

# Schedule of Accreditation



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Accreditation Standard	ISO 17025 T
Date Initially Awarded	13/01/2020
Scope Classification	Mechanical testing
Services available to the public <sup>1</sup>	No

<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	Galway

# Scope of Accreditation

## Head Office

### Mechanical Testing

Category: A

Product categories - Tests	Test detail	Product detail	Range of Measurement	Equipment/Technique	Std. Ref & SOP
1101 Metals and metal products - .99 Other tests	Corrosion resistance	Sterile and Single Use Catheters	Sterile, single-use intravascular catheters Part 1: General Requirements		EN ISO 10555-1:2014 Annex A – Test method for corrosion resistance  EN ISO 10555-1:2013/AMD 1:2017 Annex A – Test method for corrosion resistance
1127 Pulpwood, pulp, paper, paperboard and products - .14 Compression tests	Edge Crush Test Clamp Method (Short Column Test)	Pulpwood, Pulp, Paper, Paperboard and Products Corrugated and Paper Packaging	Edge Crush Test	Clamp Method	TAPPI T839-2008 Clamp Method (Short Column Test) TAPPI T839-om-2012 Clamp TAPPI T 839-2018 Clamp Method
	Edge Crush Test unwaxed edge method		Edge Crush Test	Unwaxed edge method	ISO 3037:2013
	Edge Crush Test waxed edge method		Edge Crush Test	Waxed edge method	TAPPI T 811-2007 TAPPI T 811OM-2011

					TAPPI T 811OM-2017
1127 Pulpwood, pulp, paper, paperboard and products - .16 Liquid absorption	Cobb test paper and board-determination of water absorptiveness - Cobb Method		Cobb Test	Determination of water absorptiveness-Cobb Method	ISO 535:2014
1127 Pulpwood, pulp, paper, paperboard and products - .48 Mechanical properties	Determination of Grammage - Fibreboard		Grammage	Determination of the grammage of the component papers after seperation	ISO 3039:2010
	Determination of grammage - Paper and Board		Grammage	Paper and Board-Determination of grammage	ISO 536:2012
	Ink Rub Test	Corrugated Fibreboard		Ink Rub Test of Container Board and Corrugated Board	TAPPI T830OM-11 TAPPI T830OM-18
1129 Plastic and related products - .99 Other tests	Air Leakage into a Conical Fitting Assembly During Aspiration Separation Force of Conical Fitting Assembly Stress Cracking Liquid Leakage from Fitting Assembly Under Pressure Air Leakage into Fitting Assembly During Aspiration Separation Force of Fitting Assembly	Small-bore connectors for liquids and gases - connectors for intravascular or hypodermic applications			ISO 594-1:1986 Sec 5.3 ISO 594-2:1998 Sec 5.3 ISO 594-1:1986 Sec 5.4 ISO 594-1:1986 Sec 5.5 ISO 594-2:1998 Sec 5.2
	Gauging test Liquid Leakage test				ISO 594-1:1986 Section 5.1 ISO 594-1:1986 Section 5.2 ISO 594-2:1998 Section 5.2
	Luer Test - Falling drop positive-positive pressure liquid leakage test				ISO 80369-7:2016 ISO 80369-20:2015 Annex C

Luer Test - Leakage by pressure decay test				ISO 80369-7:2016 ISO 80369-20:2015 Annex B
Luer Test - Resistance to overriding test				ISO 80369-7:2016 ISO 80369-20:2015 Annex H
Luer Test - Resistance to separation from axial load test				ISO 80369-7:2016 ISO 80369-20:2015 Annex F
Luer Test - Resistance to separation from unscrewing test				ISO 80369-7:2016 ISO 80369-20:2015 Annex G
Luer Test - Stress cracking test				ISO 80369-7:2016 ISO 80369-20:2015 Annex E
Luer Test - Sub atmospheric pressure air leakage test				ISO 80369-7:2016 ISO 80369-20:2015 Annex D
Peak Tensile Force	Sterile and Single Use Catheters	Sterile, single-use intravascular catheters -- Part 1: General Requirements		IS EN ISO 10555-1:2014 Annex B - Test method for determining force at break  EN ISO 10555-1:2013/AMD 1:2017 Annex B - Test method for determining force at break
Unscrewing Torque of Fitting Assembly Ease of Assembly Resistance to Overriding Stress Cracking	Small-bore connectors for liquids and gases - connectors for intravascular or hypodermic applications			ISO 594-2:1998 Sec 5.5 ISO 594-2:1998 Sec 5.6 ISO 594-2:1998 Sec 5.7 ISO 594-2:1998 Sec 5.8

1146 Packages and containers - .01 Physical tests	Accelerated and Real Time Ageing	Plastics and related products	Accelerated and Real Time Ageing	Accelerated and Real Time Ageing of Sterile barrier systems	ASTM F1980-16 ASTM F1980-07(2011)
	Altitude Test	General Equipment	Determining effects of altitude on packaging by vacuum method		ASTM D6653/D6653M-01(2013)
	Bubble Leak Testing	Plastics and related products	Bubble Leak	Detection of gross leak in Medical packaging by internal pressurisation	ASTMF2096-11 ASTM F2096-11(2019)
	Concentrated Impact Test	Packages and Containers		Concentrated impacts to transport packages	ASTM D6344 -04(2017)
	Conditioning containers, packages or packaging components of testing	Packages and Containers		Standard Practice for Conditioning containers, packages or packaging components of testing	ASTM D4332-13 ASTM D4332-14
	Degree of protection provided by enclosures	General Non-explosive stores and equipment	IP1X, 1P2X, IP3X, IP4X, IP5X, IP6X, IP5kX, IP6kX	Degree of protection provided by enclosures (IP-Codes)	IEC 60529:2013-08 ISO 20653:2013 DIN 40050-1993 Part 9
			IPX6	IPX6	ISO 20653:2013
			IPX6K	IPX6K	DIN 40050:1993 PART 9
			Nozzle Size: 6.3mm	IPX5	IEC 60529:2001-02 IEC 60529:2013 Ed2.2 DIN 40050-1993 Part 9
			Platform size: 60cm diameter	IPX1	IEC 60529:2001-02 IEC 60529:2013 Ed2.2
	Drop Test of Loaded Containers	Packages and Containers		Drop test of loaded containers by freefall	ASTM D5276-98(2017)
	Dye Penetration	Plastics and related products	Dye Penetration	Non Porous Packaging	ASTM F3039-2015
			Dye Penetration	Porous Packaging	ASTM F1929-2012 ASTM F1929-2015

Dynamic Shock & Bump		Max Severity: 100G Pulse Duration: 3 to 30mS Max Load: 100Kg Table Diameter: 50cm x 50cm	Dynamic Shock & Bump	IEC 68-2-29:1987
	General Non-explosive stores and equipment	Max Severity: 1500g Pulse Duration: 0.6 to 60mS Max Load: 90Kg Table Diameter: 0.8m	Dynamic Shock & Bump	IEC 60068-2-27:2008 EN 60068-2-27:2009 EN 60068-2-29:1993
Heat Seal Peel Testing Seal Strength of Flexible barrier materials	Plastics and related products	Heat Seal Peel Testing	Seal Strength of Flexible barrier materials	ASTM F88/ F88M-2015 ASTM F88-09
Incline Impact	Packages and Containers	Max Load: 200kg Max Impact Velocity: 3.0m/s	Standard Test for Impact Testing for Shipping Containers and Systems	ASTM D880-92(2008)
		Max Load: 750 kg Max Impact Velocity: 3.0 m/s	Impact testing for shipping containers and systems	ASTM D880-92(2015)
Packaging for the transportation of dangerous goods	Drums, Metals, Fibreboard, Plastics, Jerricans, Metal, Plastics, Boxes, Fibreboard, Plastics, Bags, Plastics, Textiles, Paper, Composite packaging, Plastics receptacle, Glass, porcelain or stone receptacle	Environmental tests Performance tests Drop tests Max Height 1.8m Preconditioning at -18°C (plastics) Stack tests Max Weight 1000Kg (ambient temperature & 40°C as required) Leakproofness tests Max Pressure 30KPa Internal pressure (hydraulic) tests Max Pressure 1MPa	Dangerous Goods Testing	UN Chapter 6.1 Packagings (Ed 16) ISO 16104:2003 UN Modal Regulations Chapter 6.1 Packagings (Orange Book) Ed 20 ISO 16495:2013

		Conditioning at 23°C/50% RH (Fibreboard) as required Preconditioning at -18°C (plastics)		
Peel Test Determination of a strength of the seal joint for pouches and reel material	Packages and Containers			EN 868-5:2009 Annex D EN 868-5:2018 Annex D
Peel Test Determination of peel characteristics of paper/plastic laminate products				EN 868-5:2009 Annex E EN 868-5:2018 Annex E
Rough Handling Tests Rough Handling shocks, primarily for equipment - type specimens	General Non-explosive stores and equipment		Drop & Topple, Free Fall Procedure 1	IS EN 60068-2-31 (2008)
Thermal Insulation Performance of Distribution Packages	Packages and Containers		Standard Test Method for Thermal Insulation Performance of distribution Packages	ASTM D3103-14 E1
Transportation testing		Transportation testing	Standard Practice for performance testing of packages for single parcel delivery systems	ASTM D7386-2016 ASTM D7386-2012 Standard (TS4) Packs Small (TS1) Packs
Transportation testing Conditioning Compression Vibration Shock		Conditioning, Compression, Vibration, Shock	Sequential Tests (Conditioning, Compression, Vibration, Shock) based on above equipment	ASTM D4169-2005, 2008, 2009, 2014, 2016 ASTM D642-15 ISTA Series 1A, B, C, D, E, G, HISTA Series 2A, B, C, D, EISTA 3A, E, FISTA Series 7B, D
Vibration Testing of Shipping Containers			Standard Test Methods for Vibration Testing of Shipping Containers	ASTM D4728-17 ASTM D999-08 (2015) Method A1

	Vibration, broad-band random	General Non-explosive stores and equipment		Vibration, broad-band random (digital control) and guidance	IEC 60068-2-64:1993-05 IEC 60068-2-64:2008 ISEN 60068-2-64:2008  ISEN 60068-2-64:2008&A1:2019
1146 Packages and containers - .99 Other tests	Abrasion Resistance of Printed Materials	Standard Practice for Abrasion Resistance of Printed Materials		Sutherland 2000TM Rub Tester	ASTM D5264-98 (2011) ASTM D5264-98 (2019)
	Climatic Stressing of Packaging System for Single Parcel Delivery	Packaging System		Standard Practice for Conditioning containers, packages or packaging components of testing	ASTM F2825-18
	Visual Inspection Determining Integrity of Seals for Medical Packaging by Visual Inspection	Packages and Containers	Visual Inspection	ASTM F1886 / F1886M-2009(2013)	ASTM F1886 / F1886M-2009(2013)  ASTM F1886 / F1886M-16
1150 General Non Explosive Stores and Equipment - .01 Environmental Tests	Cold	General equipment	To -60°C		IEC 60068-2-1:2007 EN 60068-2-1:2007 MIL-STD 810G Method 502.5 Procedure I & II
	Composite Temperature/Humidity, Cyclic				IEC 60068-2-38:2009 EN 60068-2-38:2009
	Damp Heat Steady State				IEC 60068-2-78:2012 EN 60068-2-78:2013
	Damp Heat, Cyclic				IEC 60068-2-30:2005 EN 60068-2-30:2005 MIL-STD 810G Method 507.5 Procedure I & II



Dry Heat		To +125°C		IEC 60068-2-2:2007 EN 60068-2-2:2007 MIL-STD 810G Method 501.0 Procedure I & II
Dynamic Shock & Bump	General Non-explosive stores and equipment	Max Severity: 100g Pulse Duration: 3 to 30ms Max Load: 150kg Table Diameter: 0.8m	Dynamic Shock & Bump	IEC 60068-2-27:2008 EN 60068-2-27:2009 EN 60068-2-29:1993
Salt Spray			Salt Spray Standard practise of operating Salt Spray (Fog) apparatus	EN 60068-2-11:1999 ASTM B117-16  ASTM B117-19
Thermal Shock Automated Transfer		Max Temperature +150°C Min Temperature -75°C Max Chamber Size: .45m x .63m x .4m Thermal Shock	Thermal Shock	IS EN 60068-2-14:2009 IEC EN 60068-2-14:2009
Vibration - Sinusoidal & Random		Vibration - Sinusoidal & Random Frequency range: 1 to 2000Hz Max load: 150Kg Pk-Pk Displacement: 50mm Max Acceleration: 17g Table Size: 0.8m diameter Spectral Frequency range: 1 to 2000Hz, 51mm pk-pk, Max Acceleration 100g, Table Diameter 50cm x 50 cm	Vibration - Sinusoidal & Random	IEC 60068-2-6:2007 EN 60068-2-6:2008 IEC 60068-2-64:2008 EN 60068-2-64:2008  ISEN 60068-2-64:2008&A1:2019
		Vibration - Sinusoidal &	Vibration - Sinusoidal & Random	IEC 60068-2-6:2007 EN 60068-2-6:2008

			<p>RandomFrequency range: 1 to 2000HzMax load: 150KgPk-Pk Displacement: 50mmMax Acceleration: 17gTable Size: 0.8m diameterSpectral Frequency range: 1 to 2000Hz, 51mm pk-pk, Max Acceleration 100g, Table Diameter 80cm x 80 cm</p>	<p>IEC 60068-2- 64:2008 EN 60068-2-64:2008  ISEN 60068-2-64: 2008&amp;A1:2019</p>
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