

Laboratory Accreditation Programmes

Schedule to CERTIFICATE OF ACCREDITATION

Laboratory	Materials and Testing Laboratories Ltd				
Address	10 Patrick Street, Onehunga, Auckland, 1061				
Telephone	09 579-0262				
URL	www.mtlabs.co.nz				
Authorised Representative	Mr Thibaud Lastennet General Manager				
Client No.	3				
Programme	Mechanical Testing Laboratory				
Accreditation Number	7				
Initial Accreditation Date	23 April 1975				
Conformance Standard	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories				
Testing Services Summary	 4.42 Assemblies and Structures 4.54 Cylinders and Other Pressure Vessels 4.69 Plastic and Plastic Products 4.75 Welder Qualification Tests 4.76 Metals and Metal Products 4.81 Non Destructive Tests by Radiography 4.82 Non Destructive Tests by Ultrasonics 4.83 Non Destructive Tests by Visual Inspection 4.84 Non Destructive Tests by Dye Penetrant Methods 4.85 Non Destructive Tests by Magnetic Particle methods 4.86 Non Destructive Tests by Eddy Current 4.87 Non Destructive Tests by Specialised Techniques 				
Signatories	Mr Driekus Barnard4.75, 4.76 (c)(f)(g)(h), 4.81, 4.83Mr Steve Burnard4.82, 4.83, 4.84, 4.85, 4.87 (d)Mr Alan McKenna4.82, 4.83, 4.84, 4.85, 4.86Mr Jim Saunders4.42, 4.54, 4.69, 4.75, 4.76, 4.85Mr Umang Singh4.69 (BS ISO 13953 Tests Only)Mr Thiago Souto4.82, 4.83, 4.84, 4.85, 4.86, 4.87				

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4.42 Assemblies and Structures

	(i)	Ladders					
	The foll	The following tests in accordance with AS/NZS 1892					
			The measure	eable tests on	ladders		
	(j)	Other assemblie	S				
	Tests in	accordance with	the following m	nethods			
	ASTM (Deflection testing of metal suspension systems for acoustic tile and lay-in ceiling panels				
	BS 121	59-2	Tests on loa	d restraint ass	semblies for road ve	hicles	
	The foll	owing test in acco	rdance with In-	house metho	d		
	TM15		Three and fo	our point defle	ction tests on mater	ials or assemblies	
4.54	4 Cylinders and Other Pressure Vessels						
The following tests in accordance with In-house method					bd		
					ng volume capacity on ns of mass checking		
4.69	Plastic and Plastic Products						
	Tensile	tests					
	BS ISO	13953	Polyethylene	e (PR) pipes a	nd fittings		
	ISO 139	954:1997	Peel decohe assemblies	sion test for p	olyethylene (PE) ele	ectrofusion	
4.75	Welde	r Qualification	Tests				
	Tests in accordance with the standards such as:						
	AS 155 AS 166 ASME I AS/NZS BS EN BS EN	5 X \$ 2980					
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BS EN ISO 15614-2 BS EN ISO 9606-1 BS EN ISO 9606-2

4.76 Metals and Metal Products

Tests in accordance with the standards such as:

(a) Tension tests in accordance with the following standards in the load range 0.12 kN to 500 kN

AS 1391 AS 2205.2 ASTM E8 BS EN 10002.1 BS EN ISO 6892-1

Testing methods as defined by the following standards and, with AS/NZS 4671, as modified by Verification Method B1/VM1 Clause 14

ISO 15630-1:2010Clause 5.3 Reinforcing bars, wire rod and wireISO 15630-2:2010Clause 5.3 Welded FabricClause 7Weld Shear Test

(c) Bend tests in accordance with the following standards

AS 2205.3 BS EN 1639

(e) Hardness tests in accordance with the following standards

Vickers hardness tests

AS 1817 BS EN ISO 6507

Rockwell hardness tests

AS 2205.6 BS EN 10109 BS EN ISO 6508-1

(f) Impact tests in accordance with the following standards

Charpy impact tests at temperatures between -80 °C and Ambient

AS	1544.2
AS	2205.7

AS 2203.7	1970-66			
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	BS EN I	SO 148-1				
	(g)	Weld tests (tensile the following stan		breaks and ma	acro-examination) in	n accordance with
		5.4 5.5 (III X 370 190 1320 3451	Aluminium Copper			
	(h) Other tests in accordance with the following standards					
	BS EN 1	10218.1	Steel wire ar General test	nd wire product methods	ts	
	In-house method					
	TM 15		Three point or assemblie		deflection tests of	materials
4.81	4.81 Non Destructive Tests by Radiography					
	(a) (i) (ii) (iii) (iv)	Radiographic exa Single wall or rolle - thickness measu - corrosion pitting Welded Joints Castings Forgings	ed products urements	etals	Al, Cu, F Al, Cu, F Al, Cu, F Al, Cu, F	e, SS e, SS
4.82	Non Destructive Tests by Ultrasonics					
	(a) (i) (ii) (iii) (iv)	Ultrasonic examin Single wall or rolle Welded joints Castings Forgings		ls	Al, Cu, F Al, Cu, F Al, Cu, F Al, Cu, F	e, SS e, SS
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4.83	Non Destructive Tests by Visual Inspection				
	(a) (i) (ii) (iii) (iv)	Visual inspection of metals Flat or rolled product Welded joints Castings Forgings		Al, Cu, F Al, Fe, S Al, Cu, F Al, Cu, F	S e, SS
4.84	Non De	estructive Tests by Dye Pe	netrant Methods		
	Penetrar	nt Testing in accordance with sta	andards such as:		
	(i) (ii)	Visible dye - Water washable - Solvent removable method Fluorescent dye			e, Ni, Mg, Zn, SS e, Ni, Mg, Zn, SS
	(1)	 Water washable Solvent removable method Post emulsifiable method 		Al, Cu, F	e, Ni, Mg, Zn, SS e, Ni, Mg, Zn, SS e, Ni, Mg, Zn, SS
4.85	Non De	estructive Tests by Magnet	tic Particle method	ls	
M	agnetic P	article Testing in accordance wit	th standards such as:		
	(i)	Magnetic flow method Welded joints Forgings Castings Machined parts			
	(ii)	Current flow method Welded joints Forgings Castings Machined parts		Amps AC	C/DC 3000A
	(iii)	Coil method Welded joints Forgings Castings Machined parts		Amps AC	C/DC 2000A
4.86	Non Destructive Tests by Eddy Current				
	(a) (b) (c) (e)	Surface flaw detection Metallic Coating thickness mea Sorting of materials and compo Weld testing		Al, Cu, F Al, Cu, F	e, Ni, Mg, Zn e, Ni, Mg, Zn e, Ni, Mg, Zn e, Ni, Mg, Zn
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4.87 Non Destructive Tests by Specialised Techniques

- (a) Ultrasonic Time of Flight Diffraction (TOFD)
- (d) Phased Array

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