

CERTIFICATE OF ACCREDITATION



ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Client Number 9748

PO Box 64126, Botany, Auckland, 2163 1066E Great South Road, Mount Wellington, Auckland, 1060

Telephone 64 9 972-0866 www.aucklandlab.co.nz

Authorised Representative

Mr Sanjeev Danda Deputy Managing Director

Programme

Electrical Testing Laboratory

Accreditation Number 1353 Initial Accreditation Date 30 March 2020

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

3.60 Environmental Tests

3.80 Approval Tests on Electrical Appliances

3.85 Performance Tests on Electrical Appliances and Accessories

Key Technical Personnel

 Mr Chris Fan
 3.80

 Mr Arunkumar Kamaraj
 3.60, 3.80

 Mr John Liu
 3.60, 3.80, 3.85

Operations Manager Authorisation:

AGROPATION

Issue 21

Date:17/12/24

Page 1 of 24

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Electrical Testing Laboratory

Accreditation Number 1353

SCOPE OF ACCREDITATION

A branch laboratory, Brisbane Test Lab, operates in Australia at the following address: Unit 1, 32 Boyland Avenue, Coopers Plains, Brisbane, QLD 4108, Australia.

Telephone: 61 7 370-76462; Web: www.brisbanelab.com.au

3.60 Environmental Tests

(a) Cold tests

Test A: Cold to the following standards:

AS 60068.2.1 BS EN 60068-2-1 EN 60068-2-1 IEC 60068-2-1

(b) Dry heat tests

Test B: Dry heat tests to the following standards:

AS 60068.2.2 BS EN 60068-2-2 EN 60068-2-2 IEC 60068-2-2

(c) Damp heat tests

Test Cab: Damp heat tests to the following standards:

AS 60068.2.78 BS EN 60068-2-78 EN 60068-2-78 IEC 60068-2-78

Test Db: Damp heat, cyclic (12 h + 12 h cycle)

AS 60068.2.30 BS EN 60068-2-30 EN 60068-2-30 IEC 60068-2-30

(d) Impact tests

Test Ea and guidance: Shock tests to the following standards:

AS 60068.2.27 BS EN 60068-2-27 EN 60068-2-27

Operations Manager Authorisation:

1510/8tro-

Issue 21

Date:17/12/24

Page 2 of 24

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Electrical Testing Laboratory

Accreditation Number 1353

SCOPE OF ACCREDITATION

IEC 60068-2-27

Test Eh: Hammer tests to the following standards:

AS 60068.2.75 BS EN 60068-2-75 EN 60068-2-75 IEC 60068-2-75

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts to the following standards:

BS EN 62262 EN 62262 IEC 62262

(e) Vibration tests

Test Fc: Vibration (sinusoidal) testing to the following standards:

AS 60068.2.6 BS EN 60068-2-6 EN 60068-2-6 IEC 60068-2-6

Test Fh: Vibration, broadband random and guidance testing to the following standards:

AS 60068.2.64 BS EN 60068-2-64 EN 60068-2-64 IEC 60068-2-64

(i) Corrosion tests

Test Ka: Salt mist to the following standards:

AS 60068.2.11 BS EN 60068-2-11 EN 60068-2-11 IEC 60068-2-11

Test Kb: Salt mist, cyclic (sodium chloride solution) to the following standards:

AS 60068.2.52 BS EN 60068-2-52 EN 60068-2-52 IEC 60068-2-52

Operations Manager Authorisation:

1 HOBERO-

Issue 21

Date:17/12/24

Page 3 of 24

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab

Electrical Testing Laboratory

Accreditation Number 1353

SCOPE OF ACCREDITATION

Other corrosion testing standards:

ASTM B117 Operating Salt Spray (Fog) Apparatus

ASTM D1654 Evaluation of Painted or Coatings Specimens Subjected to Corrosive

Environments (neutral only)

ISO 9227 Corrosion tests in artificial atmospheres – Salt spray tests

(m) Solar radiation tests

Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering to the following standards:

AS 60068.2.5 BS EN 60068-2-5 EN 60068-2-5 IEC 60068-2-5

Other solar radiation testing standards:

ASTM G151 Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory

Light Sources

ASTM G154 Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of

Materials

ASTM G155 Operating Xenon Arc Lamp Apparatus for Exposure of Materials
ASTM D2565 Xenon-arc Exposure of Plastics Intended for Outdoor Applications

ISO 4892-1 Plastics – Methods of exposure to laboratory light sources – General guidance

ISO 4892-2 Xenon-arc lamps
ISO 4892-3 Fluorescent UV lamps

ISO 16474-2 Paints and varnishes – Methods of exposure to laboratory light sources – Xenon

-arc lamps

ISO 16474-3 Fluorescent UV lamps

The following test methods used in conjunction with environmental exposure tests:

ISO 178 Plastics – Determination of flexural properties

ISO 179 Plastics – Determination of Charpy impact properties – Non-instrumented impact

test (up to 7.5 J)

UN 38.3 Recommendations on the Transport of Dangerous Goods – Manual of Tests and

Criteria - Lithium metal and lithium ion batteries

3.80 Approval Tests on Electrical Appliances

The following tests are excluded from the scope of accreditation where called up in test standards listed below:

Operations Manager Authorisation: Issue 21 Date:17/12/24 Page 4 of 24

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab

Electrical Testing Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 1353

Izod impact test, EMC emission and EMC immunity, Impulse test, Short-circuit tests >10 kA, Flammable Refrigerant tests, Photometric tests and electronic controls using software for safety purposes to Annex R of IEC 60335 Part 1 and Annex H of IEC 60730 Part 1 (and equivalent EN AS/NZS standards).

Marking, instructions and AS/NZS National Variations can be tested for any National or International test standards.

Austral	ian S	tanda	ards
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AS 5347	Button/coin batteries and consumer goods that use button/coin batteries - Safety
	for consumers
AS 60204.1	Electrical equipment of machines – General requirements
AS 60529	Degrees of protection provided by enclosures for electrical equipment (IP Code)
AS 60598.2.4	Portable general purpose luminaires
AS 60598.2.22	Emergency lighting
AS 60669.1	Switches for household and similar fixed electrical installations – General
	Requirements
AS 60660 2 1	Floatronic switches

AS 60669.2.1	Electronic switches
AS 60974.1	Arc welding equipment, Part 1: Welding power sources
40.00074.0	And the state of t

AS 60974.6 Arc welding equipment, Part 6: Limited duty portable arc welding and allied

process power sources

AS 61010.1 Safety requirements for electrical equipment for measurement, control, and

laboratory use

AS 61347.2.13 d.c. or a.c. supplied electronic controlgear for LED modules

AS 62619 Secondary cells and batteries containing alkaline or other non-acid electrolytes –

Safety requirements for secondary lithium cells and batteries, for use in industrial

New Zealand Standards

NZS 6110 Floor and ceiling heating systems

Australian / New Zealand Standards

AS/NZS 1125 AS/NZS 1359.5	Conductors in insulated electrical cables and flexible cords Rotating electrical machines – General requirements Three-phase cage
7.6/1426 1666.6	induction motors – High efficiency and minimum energy performance standards requirements. Method B
AS/NZS 1660.1	Test methods for electric cables, cords and conductors Method 1: Conductors and metallic components
AS/NZS 1660.2.1	Test methods for electric cables, cords and conductors Method 2.1: Insulation, extruded semi-conductive screens and non-metallic sheaths – Methods for general application
AS/NZS 1660.2.2	Methods specific to elastomeric, XLPE and XLPVC materials
AS/NZS 1660.2.3	Methods specific to PVC and halogen-free thermoplastic materials
AS/NZS 1660.2.5	Methods specific to cables above 1 kV
AS/NZS 1660.3	Electrical tests
AS/NZS 1660.5.6	Fire tests. Test for vertical flame propagation for a single insulated wire or cable
AS/NZS 2053.1	Conduits and fittings for electrical installations – General requirements
AS/NZS 2053.2	Rigid plain conduits and fittings of insulating material

Operations Manager Authorisation:	MAOKEO	Issue 21	Date:17/12/24	Page 5 of 24
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Schedule to





	ACT NZ Limited Tradir Electrical Testing Labo SCOPE OF ACCRED		Test Lab	Accreditation Nun	nber 1353
İ	AS/NZS 2442.1	Performance of household	electrical appliance	s – Rotarv clothes dr	/ers
		Part 1: Energy consumption		,	
	AS/NZS 2442.2	Performance of household		s – Rotary clothes dry	/ers
	, 10,1120 211212	Part 2: Energy labelling re			, 0.0
	AS/NZS 3100	General requirements for e			
	AS/NZS 3102	Electrical duct heaters	olootiloai oqalpillolli		
	AS/NZS 3105	Electrical portable outlet de	avicas		
	AS/NZS 3112	Plugs and sockets (exclud		. 2 13 13)	
	AS/NZS 3113	Ceiling roses	ing clauses 2.15.5 G	(2.10.10)	
	AS/NZS 3117	Bayonet lampholders			
	AS/NZS 3117 AS/NZS 3119	Lampholder adaptors			
	AS/NZS 3119	Cord extension sockets			
	AS/NZS 3121	Insulating mouldings			
	AS/NZS 3121 AS/NZS 3122	Socket –outlet adaptors			
	AS/NZS 3127	Cord-line switches			
		Air break switches			
	AS/NZS 3133			-lii	
	AS/NZS 3136	Electrical equipment for sp		a swimming pools	
	AS/NZS 3140 AS/NZS 3160	Edison-type screw lampho		una 10 0 atamiaad ar	rov toot)
		Hand-held portable electric	` `	ause 18.8 atomised sp	oray test)
	AS/NZS 3161	Thermostats and energy re		م (معربات ما ماید	به ماله بالمعا
	AS/NZS 3190	Residual current devices (excluding
	A C /NIZC 2404	clauses 8.13 (Test No 17),	8.14 (Test No 18) a	ind 8.16 (Test No 20)	
	AS/NZS 3191	Electrical flexible cords			
	AS/NZS 3197	Portable electrical control	or conditioning device	es	
	AS/NZS 3199	Cord extension sets	1 (1	. I. P	
	AS/NZS 3439.1	Low-voltage switchgear ar			
	AS/NZS 3439.4	Particular requirements for			
	AS/NZS 3808	Insulating and sheathing n			
	AS/NZS 3820	Essential safety requirement			
	AS/NZS 4024.1204	Safety of machinery – Elec			
	AS/NZS 4296	Cable trunking systems (e.			
	AS/NZS 4325.1	Compression and mechan			per or
	A O /N IZO 4005 4	aluminium conductors – Te			
	AS/NZS 4665.1	Performance of external perfor	ower supplies – Tes	t method and energy	
	100170	performance mark			
	AS/NZS 4665.2	Performance of external pe	ower supplies – Mini	mum energy perform	ance
	100170	standard (MEPS)			
	AS/NZS 4692.1	Electric water heaters – Er		performance and gen	eral
		requirements (energy cons			
	AS/NZS 4692.2	Electric water heaters – M	0,	ormance Standards (l	MEPS)
		requirements and energy I	abelling		
	AS/NZS 4763	Portable inverters			
	AS/NZS 5000.1	Electric cables – polymeric			
	AS/NZS 5000.2	Electric cables – polymeric			0 V
	AS/NZS 5000.3	Electric cables – polymeric			
	AS/NZS 5813.1	Computers – Measuremer		ormance – Methods	
	AS/NZS 5813.2	Computers – MEPS and e	nergy rating labels		
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	Operations Manager	110-11			
	Authorisation:	1 HOPETON	Issue 21	Date:17/12/24	Page 6 of 24
- [İ		1

Schedule to





ACT NZ Limited Tradii	ng As Auckland Lab & Brisb	ane Test Lab		
Electrical Testing Laboration			Accreditation Nun	nber 1353
SCOPE OF ACCRED			, 100.00.10.10.10.1.	
AS/NZS 5814.1		s – Measurement of ene	ray and parformance	Mothods
A3/NZ3 3014.1			rgy and pendimance	- Metrious
A C /NIZO E 04 E 4	of measurement of end		and narfarmanaa M	ath a da
AS/NZS 5815.1		Measurement of energy		emous
AS/NZS 5815.2		MEPS and energy rating		المعالية بالمعالية
AS/NZS 60065		ar electronic apparatus -	- Salety requirements	(excluding
A C/NIZC 60227 F	Annex B telecoms test		wible cables (cards)	
AS/NZS 60227.5		≤450/750 V – Part 5: Fle		alaa
AS/NZS 60245.4		es ≤450/750 V – Part 4:		oles
AS/NZS 60320.1		household and similar g		
A C /NIZC C0222 4 4		(limited clauses 10.1, 10		. 4 4. Taakkan
AS/NZS 60332.1.1		ptical fibre cables under		
A C /NIZC C0222 4 0		tion for a single insulated	a wire or cable – Appa	aratus
AS/NZS 60332.1.2	Procedure for 1 kW pro		a/nartialaa	
AS/NZS 60332.1.3		nation of flaming droplets		.!
AS/NZS 60335.1		nd similar electrical appli		urements
AS/NZS 60335.2.2		water suction cleaning a	appliances	
AS/NZS 60335.2.3	Electric irons	7 OF 9 Notional variation	ابرامه معرب	
AS/NZS 60335.2.5		7, 25 & National variatio		
AS/NZS 60335.2.6		ges, hobs, ovens and si	milar appliances	
AS/NZS 60335.2.7	Washing machines	and similar appliances		
AS/NZS 60335.2.8	Shavers, hair clippers		nlianasa	
AS/NZS 60335.2.9		nilar portable cooking ap nes and wet scrubbing m		
AS/NZS 60335.2.10		les and wet scrubbing in	lacrimes	
AS/NZS 60335.2.11	Tumble dryers	milar appliances		
AS/NZS 60335.2.12 AS/NZS 60335.2.13	Warming plates and si	milai appliances pans and similar applian		
AS/NZS 60335.2.13 AS/NZS 60335.2.14	Kitchen machines	paris ariu sirillar appliari	ices	
AS/NZS 60335.2.14 AS/NZS 60335.2.15	Appliances for heating	liquide		
AS/NZS 60335.2.15 AS/NZS 60335.2.16	Food waste disposers	liquius		
AS/NZS 60335.2.17		nilar flexible heating app	liancos	
AS/NZS 60335.2.17 AS/NZS 60335.2.21	Storage water heaters	iliai ilexible ileatilig app	ilai ices	
AS/NZS 60335.2.23	Appliances for skin and	d hair care		
AS/NZS 60335.2.24		es and ice-cream appliar	nces and ice-makers	
AS/NZS 60335.2.25	Microwave ovens (exc		nices and ice-makers	
AS/NZS 60335.2.26	Clocks	idding cidd3c 32)		
AS/NZS 60335.2.27		in treatment appliances		
AS/NZS 60335.2.29	Battery chargers	in treatment appliances		
AS/NZS 60335.2.30	Room heaters			
AS/NZS 60335.2.31	Range hoods			
AS/NZS 60335.2.32	Massage appliances			
AS/NZS 60335.2.35	Instantaneous water h	eaters		
AS/NZS 60335.2.40		air-conditioners and def	numidifiers	
AS/NZS 60335.2.41	Pumps	an conditioners and der	idilidilicis	
AS/NZS 60335.2.41	Clothes dryers and tow	el rails		
AS/NZS 60335.2.45	Portable heating tools			
AS/NZS 60335.2.52		es (clauses 7, 30.2 and f	National Variations on	ılv)
AS/NZS 60335.2.53	Sauna heating applian		variationo on	,/
, .0,1120 00000.2.00	Cadria rioding applian			
Operations Manager	1 HOBERO	Issue 21	Date:17/12/24	Page 7 of 24
Authorisation:	11000000	13306 21	Date. 17/12/24	1 age 1 01 24

Schedule to





ACT NZ Limited Trading Electrical Testing Labor SCOPE OF ACCREDIT	atory	isbane Test La	ab	Accreditation Nun	nber 1353
AS/NZS 60335.2.54	Surface-cleaning ap	pliances empl	ovina liauids		
AS/NZS 60335.2.55	Electrical appliances				
AS/NZS 60335.2.59				xicity and similar haza	ards)
AS/NZS 60335.2.60	Whirlpool baths and			monty and ominion maze	4.0)
AS/NZS 60335.2.65	Air-cleaning applian				
AS/NZS 60335.2.69			ludina powe	r brush, for industrial	and
7.6/1.20 0000.2.00				ed to sub contract clau	
AS/NZS 60335.2.70	Milking machines				
AS/NZS 60335.2.73	Fixed immersion her	aters			
AS/NZS 60335.2.75	Commercial dispens		s and vendin	ng machines	
AS/NZS 60335.2.77				wers, excluding claus	es: 20
				cal strength) and 22 (
AS/NZS 60335.2.78	Outdoor barbecues	oai (1a2a1a0), 1	(111001101111	oar ouronigur, arra 22 (
AS/NZS 60335.2.79	High pressure clean	ers and steam	cleaners		
AS/NZS 60335.2.80	Electric fans	oro aria otoari	rologitoro		
AS/NZS 60335.2.82	Amusement machin	es and nersor	al service m	achines	
AS/NZS 60335.2.84	Toilets	oo ana poroor	ar 601 v100 111	dominoo	
AS/NZS 60335.2.85	Fabric steamers				
AS/NZS 60335.2.89		ating applianc	es with an in	corporated or remote	refrigerant
7.6/1426 66666.2.66				ise 22 test for flamma	
AS/NZS 60335.2.91		nd-held lawn	rimmers and	d lawn edge trimmers	
AS/NZS 60335.2.95	Drives for vertically				
AS/NZS 60335.2.96				ers (excl. endurance t	est)
AS/NZS 60335.2.97	Drives for rolling shu				001)
AS/NZS 60335.2.98	Humidifiers	ge .			
AS/NZS 60335.2.100		erated garder	blowers, va	cuums and blower va	cuums
AS/NZS 60335.2.101	Vaporizers	oranoa garao.			
AS/NZS 60335.2.102			l and solid-fu	uel burning appliances	s with
AS/NZS 60335.2.103	Drives for gates, do	ors and windo	NS		
AS/NZS 60335.2.106	Heated carpets and	for heating un	its for room	heating installed unde	er removable
	floor coverings	_		-	
AS/NZS 60335.2.107	Robotic battery pow	ered electrical	lawnmowers	S	
AS/NZS 60335.2.109	UV radiation water t				
AS/NZS 60335.2.114	Self-balancing person	onal transport	devices for u	ise with batteries cont	aining
	alkaline or other nor				J
AS/NZS 60335.2.115	Skin beauty care ap				
AS/NZS 60335.2.116	Furniture with electr	•	d parts		
AS/NZS 60598.1	Luminaires - Gener				
AS/NZS 60598.2.1	Fixed general purpo				
AS/NZS 60598.2.2	Recessed luminaire				
AS/NZS 60598.2.3			d clause 3.6	7 load calculation ver	ification of
	structural design)	g (exteresent)	,		
AS/NZS 60598.2.4 AS/NZS 60598.2.5	Portable general pur Floodlights	rpose luminair	es		
Operations Manager	. 4				
Authorisation:	AGOPPETO-	Issue 2	21	Date:17/12/24	Page 8 of 24

Schedule to





Electrical Testing Lab		e Test Lab	Accreditation Nun	nber 1353	
SCOPE OF ACCRED	ITATION				
AS/NZS 60598.2.6	Luminaires with built-in tra	nsformers or conver	tors for filament lamp	S	
AS/NZS 60598.2.7	Portable luminaires for gai			-	
AS/NZS 60598.2.8	Handlamps	4011 400			
AS/NZS 60598.2.9	Photo and film luminaires	(non-professional)			
AS/NZS 60598.2.10	Portable child-appealing lu				
AS/NZS 60598.2.11	Aquarium luminaires	iriiiriaii 00			
AS/NZS 60598.2.12	Mains socket-outlet mount	ed nightlights			
AS/NZS 60598.2.13	Ground-recessed luminair				
AS/NZS 60598.2.17	Luminaires for stage lightin		nd nhotographic studi	ins (autdoor	
7.0/11/20 00000.2.17	and indoor)	ig, tolovision, illin, a	na priotograpino stadi	103 (0010001	
AS/NZS 60598.2.18	Luminaires for swimming p	oools and similar and	olications		
AS/NZS 60598.2.19	Air handling luminaires	sooio ana ominar app	Silodiorio		
AS/NZS 60598.2.20	Lighting chains				
AS/NZS 60598.2.22	Emergency lighting				
AS/NZS 60598.2.23	Extra-low-voltage lighting	evetame for FLV ligh	nt sources		
AS/NZS 60598.2.25	Luminaires for use in clinic			dings	
AS/NZS 60601.1	Medical electrical equipme				
A3/N23 00001.1	essential performance	ant – Fart T. General	requirements for bas	ic salety and	
AS/NZS 60669.1	Switches for household ar	nd similar fixed electr	rical installations – Ge	neral	
710/11/20 00000.1	requirements	ia sirriiar rixea cicoti	iodi iriotaliationio Co	moral	
AS/NZS 60669.2.1	Electronic switches				
AS/NZS 60695.1	Fire hazard testing – Guid	ance for assessing t	he fire hazard of elect	rotechnical	
710/11/20 00000.1	products	arioc for accessing the	no mo nazara or oloot	i otooi ii iloai	
AS/NZS 60695.2	Fire test methods for solid	insulating materials	and non-metallic enc	losures	
(Part 2.10-2.13)	used in electrical equipme			1000100	
AS/NZS 60730	Automatic electrical contro				
AS/NZS 60745.1	Safety of hand-held motor		ols – General requirer	ments	
AS/NZS 60745.2.1	Drills (Drills and impact dri		olo Ocheral requirer	Herito	
AS/NZS 60745.2.2	Screwdrivers	113)			
AS/NZS 60745.2.3	Grinders and polishers				
AS/NZS 60745.2.4	Sanders and polishers				
AS/NZS 60745.2.5	Circular saws				
AS/NZS 60745.2.6	Hammers				
AS/NZS 60745.2.8	Shears and nibblers				
AS/NZS 60745.2.9	Tappers				
AS/NZS 60745.2.11	Reciprocating saws (jig an	id cabre cawe)			
AS/NZS 60745.2.11	Concrete vibrators	iu sabie saws)			
AS/NZS 60745.2.12 AS/NZS 60745.2.13	Chain saws (excluding cla	ucoc 10 mochanic	al hazards and 21 o	construction)	
AS/NZS 60745.2.13 AS/NZS 60745.2.14	Planers		ai ilazaius aliu z i – u	onstruction)	
AS/NZS 60745.2.14 AS/NZS 60745.2.16	Tackers				
AS/NZS 60745.2.16 AS/NZS 60745.2.17	Routers and trimmers				
AS/NZS 60745.2.18	Strapping tools				
AS/NZS 60745.2.19					
AS/NZS 60745.2.20	Band saws				
AS/NZS 60745.2.21	Drain cleaners				
AS/NZS 60745.2.22	Cut-off machines	any tools			
AS/NZS 60745.2.23	Die grinders and small rota	ary toois			
Operations Manager	1 HOPETO	Issue 21	Date:17/12/24	Page 9 of 24	
Authorisation:	M ONO 1800	13345 21	Date. 17/12/24	Faye 3 01 24	

Schedule to





	ng As Auckland Lab & Brisban	e Test Lab		
Electrical Testing Laboration			Accreditation Nun	nber 1353
SCOPE OF ACCRED	ITATION			
AS/NZS 60898.1	Electrical accessories – C			
	household and similar ins	tallations – Circuit bre	eakers for a.c. operati	on
	(National variations only)			
AS/NZS 60947.1	Low-voltage switchgear a			lected clauses
10/1/20 00050 4	only: 9.2.2.1, 9.2.4, 9.2.9			/ 1 1
AS/NZS 60950.1	Safety of information tech			(excluding
AS/NZS 60968	connections to telecomm			nto
A3/NZ3 00900	Self ballasted lamps for g (National variations only)	eneral lighting service	es – Salety requireme	HILS
AS/NZS 61008.1	Residual current operated	d circuit-breakers with	out integral overcurre	ant
A0/1120 01000.1	protection for household			71 IL
	(National variations only)	and ominiar doos (itot	obo, ochorariaco	
AS/NZS 61009.1	Residual current operated	d circuit-breakers with	integral overcurrent	protection for
	household and similar us			
AS/NZS 61058.1	Switches for appliances (,	,	• ,
AS/NZS 61184	Bayonet lampholders (cla			3 insulation
	and electric strength tests		ces and clearances,	
	19.2 resistance to heat, fi	re and tracking only)		
AS/NZS 61347.1	Lamp controlgear			
AS/NZS 61347.2.2	d.c. or a.c. supplied elect			nps
AS/NZS 61347.2.3	a.c. supplied electronic bands Miscellaneous electronic			
AS/NZS 61347.2.11 AS/NZS 61347.2.13	d.c. or a.c. supplied elect			
AS/NZS 61347.2.13 AS/NZS 61386.1	Conduit systems for cable			
AS/NZS 61386.21	Rigid conduit systems	e management – Gen	ierai requirements	
AS/NZS 61439.1	LV switchgear and contro	lgear assemblies – G	Seneral rules	
AS/NZS 61439.2	Power switchgear and co			
AS/NZS 61439.3	Distribution boards intend			3O)
AS/NZS 61439.4	Assemblies for constructi		, , , ,	,
AS/NZS 61439.5	Assemblies for power dis	tribution in public netv	works	
AS/NZS 61439.6	Busbar trunking systems	(busways) Clauses 1	0.13 & 10.101 flamma	ability are
	excluded			
AS/NZS 61439.7	Assemblies for specific a		arinas, camping sites	, market
	squares, electric vehicle			
AS/NZS 61558.1	Safety of power transform	iers, power supply un	nits and similar – Gen	eral
AO/NZO 04550 0 4	requirements and tests			
AS/NZS 61558.2.4	Isolating transformers for	•		
AS/NZS 61558.2.6 AS/NZS 61558.2.16	Safety isolating transform Switch mode power supp		ore for ewitch mode r	oowor
A3/NZ3 01330.2.10	supply units	iy uriits ariu transioini	iers for switch mode p	oowei
AS/NZS 61558.2.17	Transformers for switch n	node nower sunnlies		
AS/NZS 62087.1	Power consumption of A\		ent – Methods of mea	surement
AS/NZS 62087.2.2	Power consumption of A\			
	label requirements for tele			g)g
AS/NZS 62115	Electric toys – Safety (ex		d Annex E)	
AS/NZS 62301	Household electrical appl			
AS/NZS 62368.1	Audio/video, information a	and communication te	echnology equipment	
		 	<u> </u>	
Operations Manager	2-41 - 41 -	Januar Od	D-1-47/40/04	Danis 40 (0)
Authorisation:	1 HOBERO	Issue 21	Date:17/12/24	Page 10 of 24
		I I	1	1

Schedule to





	As Auckland Lab & Brisbane	Test Lab		
Electrical Testing Labora			Accreditation Nun	nber 1353
SCOPE OF ACCREDITA	ATION			
	Part 1: Safety requirement	S		
AS/NZS 62560	Self-ballasted LED-lamps	for general lighting s	ervices by voltage > 5	50 V – Safety
	specifications (National va	riations only)		
AS/NZS 62841.1	Electric motor-operated ha	and-held tools, transp	portable tools and law	n and
	garden machinery – Safety	y – Part 1: General r	equirements	
AS/NZS 62841.2.1	Hand-held drills and impac	ct drills		
AS/NZS 62841.2.2	Hand-held screwdrivers ar	nd impact wrenches		
AS/NZS 62841.2.3	Hand-held grinders, disk-ty	ype polishers and dis	sc-type sanders	
AS/NZS 62841.2.4	Hand-held sanders and po	olishers other than di	sc type	
AS/NZS 62841.2.5	Hand-held circular saws			
AS/NZS 62841.2.6	Hand-held hammers			
AS/NZS 62841.2.8	Hand-held shears and nibl	olers		
AS/NZS 62841.2.9	Hand-held tappers and thr	eaders		
AS/NZS 62841.2.10	Hand-held mixers			
AS/NZS 62841.2.11	Hand-held reciprocating sa	aws		
AS/NZS 62841.2.14	Hand-held planers			
AS/NZS 62841.2.16	Hand-held tackers (exclud	ing clause 18.12)		
AS/NZS 62841.2.17	Hand-held routers			
AS/NZS 62841.2.21	Hand-held drain cleaners			
AS/NZS 62841.3.1	Transportable table saws			
AS/NZS 62841.3.4	Transportable bench grind			
AS/NZS 62841.3.6	Transportable diamond dri	lls with liquid system	1	
AS/NZS 62841.3.9	Transportable mitre saws			
AS/NZS 62841.3.10	Transportable cut-off mach	nines		
AS/NZS 62841.3.13	Transportable drills			
AS/NZS 62841.4.1	Chain saws			
AS/NZS 62841.4.2	Hedge trimers			
IEC or EN Standards				
	Detetion alectrical measure	D-ti		
IEC EN 60034-1	Rotating electrical machine			-4:
IEC EN 60034-2-1	Determining losses and ef	nciency from tests (e	exci. machines for trac	ction
IEC EN 60065	vehicles)	actronia apparatua	Cofety requirements	/ovaluding
ILC LIN 00003	Audio, video and similar el Annex B telecoms testing)	ectionic apparatus -	- Salety requirements	(excluding
IEC EN 60204-1	Electrical equipment of ma	ochines – Ceneral re	auiremente	
IEC EN 60227-5	PVC insulated cables ≤450			
IEC EN 60245-4	Rubber insulated cables ≤			hlas
IEC EN 60332-1-1	Tests on electric and optic			
.20 214 00002 1 1	vertical flame propagation			
IEC EN 60332-1-2	Procedure for 1 kW pre-mi			2.200
IEC EN 60332-1-3	Procedure for determination		s/particles	
IEC EN 60335-1	Safety of household and s			uirements
IEC EN 60335-2-2	Vacuum cleaners and water			551110
IEC EN 60335-2-3	Electric irons		4.1	
IEC EN 60335-2-6	Stationary cooking ranges	, hobs, ovens and si	milar appliances	
IEC EN 60335-2-7	Washing machines			
IEC EN 60335-2-8	Shavers, hair clippers and	similar appliances		
Operations Manager	1-410 450	Issue 21	Date:17/12/24	Page 11 of 24
Authorisation:	1510/8tro-	13345 21	Dale. 17/12/24	ray e 110124

Schedule to





ACT NZ Limited Trading Electrical Testing Labor SCOPE OF ACCREDIT		Test Lab	Accreditation Nun	nber 1353
IEC EN 60335-2-9	Grills, toasters and similar	portable cooking an	pliances	
IEC EN 60335-2-10	Floor treatment machines			
IEC EN 60335-2-10	Tumble dryers	and wet scrubbing in	iadili 163	
IEC EN 60335-2-11	Warming plates and simila	r appliances		
IEC EN 60335-2-12	Deep fat fryers, frying pans		2000	
IEC EN 60335-2-13	Kitchen machines	s and Similar applian	ICES	
IEC EN 60335-2-14		ida		
	Appliances for heating liqu	ius		
IEC EN 60335-2-16	Food waste disposers	flavilla la action a com	liamana	
IEC EN 60335-2-17	Blankets, pads and similar	nexible neating app	liances	
IEC EN 60335-2-21	Storage water heaters			
IEC EN 60335-2-23	Appliances for skin or hair			
IEC EN 60335-2-24	Refrigerating appliances a		nces and ice-makers	
IEC EN 60335-2-25	Microwave ovens (excluding	ng clause 32)		
IEC EN 60335-2-26	Clocks			
IEC EN 60335-2-27	UV and IR radiation skin tr	eatment appliances		
IEC EN 60335-2-29	Battery chargers			
IEC EN 60335-2-30	Room heaters			
IEC EN 60335-2-31	Range hoods			
IEC EN 60335-2-32	Massage appliances			
IEC EN 60335-2-35	Instantaneous water heate			
IEC EN 60335-2-36	Commercial electric cookir		bbs and hob elements	•
IEC EN 60335-2-37	Commercial electric deep f	at fryers		
IEC EN 60335-2-38	Commercial electric griddle	es and griddle grills		
IEC EN 60335-2-39	Commercial electric multi-p	ourpose cooking par	าร	
IEC EN 60335-2-40	Electrical heat pumps, air-	conditioners and def	numidifiers	
IEC EN 60335-2-41	Pumps			
IEC EN 60335-2-42	Commercial electric forced	convection ovens,	steam cookers and st	eam-
	convection ovens			
IEC EN 60335-2-43	Clothes dryers and towel ra	ails		
IEC EN 60335-2-45	Portable heating tools and	similar appliances		
IEC EN 60335-2-47	Commercial electric boiling	pans		
IEC EN 60335-2-48	Commercial electric grillers	and toasters		
IEC EN 60335-2-49	Commercial electric applia	nces for keeping foo	od and crockery warm	
IEC EN 60335-2-50	Commercial electric bains-	marie		
IEC EN 60335-2-54	Surface-cleaning appliance	es employing liquids		
IEC EN 60335-2-55	Electrical appliances for us	e with aquariums ar	nd garden ponds	
IEC EN 60335-2-59	Insect killers (excluding cla	use 32 radiation, to	xicity and similar haza	ards)
IEC EN 60335-2-60	Whirlpool baths and whirlp	ool spars	•	,
IEC EN 60335-2-65	Air-cleaning appliances	•		
IEC EN 60335-2-69	Wet and dry vacuum clean	ers, including power	r brush, for industrial a	and
	commercial use (excluding			
	to 21.106)			
IEC EN 60335-2-70	Milking machines			
IEC EN 60335-2-73	Fixed immersion heaters			
IEC EN 60335-2-75	Commercial dispensing ap	pliances and vendin	g machines	
IEC EN 60335.2.77	Pedestrian controlled main			es 20
	(Stability & mechanical haz			
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Operations Manager	1 HOKETON	Issue 21	Date:17/12/24	Page 12 of 24

Schedule to





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Electrical Testing Laboratory Accreditation Number 1353					
SCOPE OF ACCREDI			Accreditation Num	1000	
IEC EN 60335-2-78	Outdoor barbecues				
IEC EN 60335-2-79	High pressure cleaners a	and steam cleaners			
IEC EN 60335-2-80	Electric fans				
IEC EN 60335-2-82	Amusement machines a	nd personal service m	achines		
IEC EN 60335-2-84	Toilets			• • • • • •	
IEC EN 60335-2-89	Commercial refrigerating condensing unit or comp refrigerants)				
IEC EN 60335-2-95	Drives for vertically movi	ng garage doors for re	esidential use		
IEC EN 60335-2-96	Flexible sheet heating el	ements for room heati	ng (excl. endurance t	est)	
IEC EN 60335-2-98	Humidifiers				
IEC EN 60335-2-100	Hand-held mains-operate	ed garden blowers, va	cuums and blower va	icuums	
IEC EN 60335-2-101	•				
IEC EN 60335-2-102	with electrical connection	ns	id solid-fuel burning a	ppliances	
IEC EN 60335-2-103	3 ,				
IEC EN 60335-2-106	•	eating units for room	heating installed unde	er removable	
	floor coverings				
IEC EN 60335-2-107	- · · · · · · · · · · · · · · · · · · ·		S		
IEC EN 60335-2-109					
IEC EN 60335-2-114	0 1	Self-balancing personal transport devices for use with batteries containing alkaline or other non-acid electrolytes			
IEC EN 60335-2-115	Skin beauty care applian	ces			
IEC EN 60335-2-116	Furniture with electrically	motorised parts			
IEC EN 60519-1	Installations for electrohe requirements	eating and electromag	netic processing – Ge	eneral	
IEC EN 60529	Degrees of protection pro	ovided by enclosures	for electrical equipme	nt	
IEC EN 60598-1	Luminaires – General re	quirements and tests			
IEC EN 60598-2-1	Fixed general purpose lu	minaires			
IEC EN 60598-2-2	Recessed luminaires				
IEC EN 60598-2-3	Road and street lighting structural design)		7 load calculation ver	ification of	
IEC EN 60598-2-4	Portable general purpose	e luminaires			
IEC EN 60598-2-5	Floodlights				
IEC EN 60598-2-6	Luminaires with built-in t	ansformers or conver	tors for filament lamp	S	
IEC EN 60598-2-8	Handlamps				
IEC EN 60598-2-9	Photo and film luminaire	s (non-professional)			
IEC EN 60598-2-10	Portable child-appealing	luminaires			
IEC EN 60598-2-11	Aquarium luminaires				
IEC EN 60598-2-12	Mains socket-outlet mou	nted nightlights			
IEC EN 60598-2-13	Ground-recessed lumina	ires			
IEC EN 60598-2-17	Luminaires for stage ligh	ting, television, film, a	nd photographic studi	ios (outdoor	
150 5N 65555 5 15	and indoor)				
IEC EN 60598-2-18	Luminaires for swimming	pools and similar app	olications		
IEC EN 60598-2-19	Air handling luminaires				
IEC EN 60598-2-20	Lighting chains				
IEC EN 60598-2-22	Emergency lighting				
Operations Manager Authorisation:	MAOKEO	Issue 21	Date:17/12/24	Page 13 of 24	

Schedule to





ACT NZ Limited Tradin Electrical Testing Labor SCOPE OF ACCREDIT		e Test Lab	Accreditation Nun	nber 1353
IEC EN 60598-2-23	Extra-low-voltage lighting	systems for FLV ligh	t sources	
IEC EN 60598-2-25	Luminaires for use in clini			dinas
IEC EN 60601-1	Medical electrical equipm			
IEC EN 60601-1		ent – Part 1. General	requirements for bas	ic salety and
150 5N 00004 0 50	essential performance			
IEC EN 60601-2-52	Medical beds			
IEC EN 60669-2-1	Electronic switches			
IEC EN 60730-1	Automatic controls for ho			
IEC EN 60745-1	Safety of hand-held moto	r operated electric to	ols – General requirer	nents
IEC EN 60745-2-1	Drills (Drills and impact di	rills)		
IEC EN 60745-2-2	Screwdrivers			
IEC EN 60745-2-3	Grinders and polishers			
IEC EN 60745-2-4	Sanders and polishers			
IEC EN 60745-2-5	Circular saws			
IEC EN 60745-2-6	Hammers			
IEC EN 60745-2-8	Shears and nibblers			
IEC EN 60745-2-9	Tappers			
IEC EN 60745-2-11	Reciprocating saws (jig a	nd sahra saws)		
IEC EN 60745-2-11	Concrete vibrators	ila sabie saws)		
IEC EN 60745-2-12	Chain saws (excluding cla	aucoc 10 mochanic	al hazarde and 21 o	construction)
IEC EN 60745-2-14	Planers		ai ilazalus aliu z i — u	onstruction)
IEC EN 60745-2-14	Tackers			
IEC EN 60745-2-17	Routers and trimmers			
IEC EN 60745-2-18	Strapping tools			
IEC EN 60745-2-19	Joiners			
IEC EN 60745-2-20	Band saws			
IEC EN 60745-2-21	Drain cleaners			
IEC EN 60745-2-22	Cut-off machines	((1 .		
IEC EN 60745-2-23	Die grinders and small ro			1
IEC EN 60800	Heating cables with a rate			and
150 511 00044 4 4	prevention of ice formatio			
IEC EN 60811-1-1	Common test methods fo			
	Part 1: Methods for gener			
150 511 000 45 4	and overall dimensions –			
IEC EN 60947-1	Low-voltage switchgear a			lected clauses
150 511 00050 4	only: 9.2.2.1, 9.2.4, 9.2.9,			, , ,
IEC EN 60950-1	Safety of information tech			(excluding
	connections to telecommi			
IEC EN 60974-1	Arc welding equipment, P			
IEC EN 60974-6	Arc welding equipment, P	art 6: Limited duty po	ortable arc welding an	d allied
	process power sources			
IEC EN 61010-1	Safety requirements for e	lectrical equipment fo	or measurement, cont	rol, and
	laboratory use			
IEC EN 61010-2-101	In vitro diagnostic (IVD) m	nedical equipment		
IEC EN 61010-2-201	Control equipment			
IEC EN 61347-2-11	Miscellaneous electronic	circuits used with lum	ninaires	
IEC EN 61347-2-13	d.c. or a.c. supplied electi	ronic controlgear for l	LED modules	
IEC EN 61439-1	LV switchgear and contro	lgear assemblies – C	Seneral rules	
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Operations Manager				
Authorisation:	1 HOPETO	Issue 21	Date:17/12/24	Page 14 of 24
Additions attorn.	_			

Schedule to





					
ACT NZ Limited Tradi	ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab				
Electrical Testing Lab	oratory		Accreditation Nun	nber 1353	
SCOPE OF ACCRED					
IEC EN 61439-2	Power switchgear and co	ntrol goar accomblige	,		
IEC EN 61439-2				20)	
	Distribution boards intend		ordinary persons (DE	sO)	
IEC EN 61439-4	Assemblies for constructi				
IEC EN 61439-5	Assemblies for power dis			1 . 224	
IEC EN 61439-6	Busbar trunking systems excluded	s (busways) Clauses	s 10.13 & 10.101 fla	immability are	
IEC EN 61439-7		anligations qual as m	arinaa aamaina aitaa	m orleat	
IEC EN 61439-7	Assemblies for specific a		lannas, camping sites	, market	
IEO EN CASEO A	squares, electric vehicle			14	
IEC EN 61558-1	Safety of power transform				
	 General requirements a 	and tests (excluding in	isulated winding wire	tests in	
	Annex K)				
IEC EN 61558-2-4	Isolating transformers for				
IEC EN 61558-2-6	Safety isolating transform				
IEC EN 61558-2-16	Switch mode power supp	ly units and transform	ners for switch mode p	ower	
	supply units				
IEC EN 61558-2-17	Transformers for switch r				
IEC EN 61851-1	Electric vehicle conductive	e charging system –	Part 1: General requir	ements	
	(excluding clauses 6.3,12	2.7 and Annex A and I	B)		
IEC EN 62109-1	Safety of power converte	r for use in photovolta	aic power systems		
IEC EN 62109-2	Safety of power converte	r for use in photovolta	aic power systems – Ir	nverters	
IEC EN 62115	Electric toys - Safety (ex	cluding Clause 20 and	d Annex E)		
IEC EN 62133-2	Secondary cells and batte	eries containing alkali	ne or other non-acid	electrolytes –	
	Safety requirements for p				
	from them, for use in port	from them, for use in portable applications - Part 2: Lithium systems			
IEC EN 62196-1	Plugs, socket-outlets, vel	nicle connectors and	vehicle inlets - Condu	ıctive	
	charging of electric vehic	charging of electric vehicles – General requirements			
IEC EN 62196-2	Dimensional compatibility	requirements for AC	pin and contact-tube	accessories	
IEC EN 62208	Empty enclosures for low	-voltage switchgear a	and controlgear assen	nblies –	
	General requirements		•		
IEC 62301	Household electrical appl	iances - Measureme	nt of standby power		
IEC EN 62368-1	Audio/video, information				
	Part 1: Safety requirement		0, 1, 1		
IEC 62619	Secondary cells and batte		ne or other non-acid	electrolytes –	
	Safety requirements for s				
	applications	•	,		
IEC EN 62841-1	Electric motor-operated h	and-held tools, transi	portable tools and law	n and	
	garden machinery - Safe				
IEC EN 62841-2-1	Hand-held drills and impa		- 1		
IEC EN 62841-2-2	Hand-held screwdrivers a				
IEC EN 62841-2-4	Hand-held sanders and p		sc type		
IEC EN 62841-2-5	Circular saws	onorioro ou ior urarr ai	00 1900		
IEC EN 62841-2-8	Shears and nibblers				
IEC EN 62841-2-9	Tappers and threaders				
IEC EN 62841-2-10	Mixers				
IEC EN 62841-2-10	Hand-held reciprocating	saws			
IEC EN 62841-2-11	Planers	JUNIO			
IEC EN 62841-2-14	Tackers (excluding claus	<u> 18 12</u> \			
1LO LIN 02041-2-10	rackers (excluding claus	5 10.12 <i>j</i>			
Operations Manager	1 HOBERO	Issue 21	Date:17/12/24	Page 15 of 24	
Authorisation:	210001000	13000 21	Dato. 17/12/24	1 ago 10 01 24	

Schedule to





ACT NZ Limited Tradin Electrical Testing Labo SCOPE OF ACCRED		e Test Lab	Accreditation Nun	nber 1353
IEC EN 62841-2-17	Routers			
IEC EN 62841-2-21	Drain cleaners			
IEC EN 62841-3-1	Transportable table saws			
IEC EN 62841-3-4	Transportable bench grind	lars		
IEC EN 62841-3-6	Transportable diamond dr		1	
IEC EN 62841-3-9	Transportable mitre saws	ilis with liquid system	ı	
IEC EN 62841-3-10	Transportable cut-off mac	hines		
IEC EN 62841-3-13	Transportable drills	111162		
IEC EN 62841-4-1	Chain saws			
IEC EN 62841-4-2	Hedge trimers			
IEC EN 62893-1	Charging cables for electri	ic vahicles for rated v	voltages up to and inc	ludina
1EC EN 02893-1	0.6/1 kV - General require		rollages up to and inc	adding
IEC EN 62893-3	Cables for AC charging ac		2 and 2 of IEC 61951	-1 of rated
1EC EN 02893-3	voltages up to and includir		Z and 3 of ILC 0103	i-i di lateu
-0	voltages up to and includin	ig 430/130 v		
BS EN Standards				
	Datation also tales less (11)	aa Datinaa aa da ee		
BS EN 60034-1	Rotating electrical machine			-ti
BS EN 60034-2-1	Determining losses and ef	ticiency from tests (e	exci. machines for trad	ction
DO EN 00005	vehicles)		0.6.6	/ I . P
BS EN 60065	Audio, video and similar e		- Safety requirements	(excluding
DO EN 00004 4	Annex B telecoms testing)			
BS EN 60204-1	Electrical equipment of ma			
BS EN 60227-5	PVC insulated cables ≤45			
BS EN 60332-1-1	Tests on electric and optic			
50 511 00000 4 0	vertical flame propagation		d wire or cable – Appa	aratus
BS EN 60332-1-2	Procedure for 1 kW pre-m			
BS EN 60332-1-3	Procedure for determination			
BS EN 60335-1	Safety of household and s			urements
BS EN 60335-2-2	Vacuum cleaners and wat	er suction cleaning a	ippliances	
BS EN 60335-2-3	Electric irons			
BS EN 60335-2-6	Stationary cooking ranges	, hobs, ovens and si	milar appliances	
BS EN 60335-2-7	Washing machines			
BS EN 60335-2-8	Shavers, hair clippers and			
BS EN 60335-2-9	Grills, toasters and similar			
BS EN 60335-2-10	Floor treatment machines	and wet scrubbing m	nachines	
BS EN 60335-2-11	Tumble dryers			
BS EN 60335-2-12	Warming plates and simila			
BS EN 60335-2-13	Deep fat fryers, frying pan	s and similar applian	ices	
BS EN 60335-2-14	Kitchen machines			
BS EN 60335-2-15	Appliances for heating liqu	ııds		
BS EN 60335-2-16	Food waste disposers			
BS EN 60335-2-17	Blankets, pads and similar	tlexible heating app	liances	
BS EN 60335-2-21	Storage water heaters			
BS EN 60335-2-23	Appliances for skin or hair			
BS EN 60335-2-24	Refrigerating appliances a		nces and ice-makers	
BS EN 60335-2-25	Microwave ovens (excludi	ng clause 32)		
BS EN 60335-2-26	Clocks			
Operations Manager Authorisation:	Mosto	Issue 21	Date:17/12/24	Page 16 of 24

Schedule to





ACT NZ Limited Tradii Electrical Testing Labo SCOPE OF ACCRED		ne Test Lab	Accreditation Nun	nber 1353	
BS EN 60335-2-27	UV and IR radiation skin	treatment appliances			
BS EN 60335-2-29	Battery chargers	поминон арримного			
BS EN 60335-2-30	Room heaters				
BS EN 60335-2-31	Range hoods				
BS EN 60335-2-32	Massage appliances				
BS EN 60335-2-35	Instantaneous water hea	ters			
BS EN 60335-2-36	Commercial electric cool		obs and hob elements		
BS EN 60335-2-37	Commercial electric deep			•	
BS EN 60335-2-38	Commercial electric gride				
BS EN 60335-2-39	Commercial electric mult		าร		
BS EN 60335-2-40	Electrical heat pumps, ai				
BS EN 60335-2-41	Pumps				
BS EN 60335-2-42	Commercial electric force convection ovens	ed convection ovens,	steam cookers and st	eam-	
BS EN 60335-2-43	Clothes dryers and towe	rails			
BS EN 60335-2-45	Portable heating tools ar				
BS EN 60335-2-47	Commercial electric boili				
BS EN 60335-2-48	Commercial electric grille	ers and toasters			
BS EN 60335-2-49	Commercial electric appl	iances for keeping foo	od and crockery warm		
BS EN 60335-2-50	Commercial electric bain	Commercial electric bains-marie			
BS EN 60335-2-54	Surface-cleaning applian	ces employing liquids	}		
BS EN 60335-2-55	Electrical appliances for	use with aquariums a	nd garden ponds		
BS EN 60335-2-59	Insect killers (excluding of	clause 32 radiation, to	xicity and similar haza	ards)	
BS EN 60335-2-60	Whirlpool baths and whir	lpool spars			
BS EN 60335-2-65	Air-cleaning appliances				
BS EN 60335-2-69		Wet and dry vacuum cleaners, including power brush, for industrial and commercial use (excluding clause 22.35 + need to sub contract clauses			
BS EN 60335-2-70	Milking machines				
BS EN 60335-2-73	Fixed immersion heaters				
BS EN 60335-2-75	Commercial dispensing a	appliances and vendin	ng machines		
BS EN 60335-2-77	Pedestrian controlled ma (Stability & mechanical h				
BS EN 60335-2-78	Outdoor barbecues				
BS EN 60335-2-79	High pressure cleaners a	and steam cleaners			
BS EN 60335-2-80	Electric fans				
BS EN 60335-2-82	Amusement machines a	nd personal service m	achines		
BS EN 60335-2-84	Toilets				
BS EN 60335-2-89	Commercial refrigerating appliances with incorporated or remote refrigerant condensing unit or compressor (excluding clause 22 test for flammable				
BS EN 60335-2-95	refrigerants)	na garago doore for re	ocidontial uso		
BS EN 60335-2-95 BS EN 60335-2-96	Drives for vertically movi			oct)	
BS EN 60335-2-96 BS EN 60335-2-98	Flexible sheet heating ele Humidifiers	emente ioi room neati	ng (exci. endurance t	- 51)	
BS EN 60335-2-98 BS EN 60335-2-100	Hand-held mains-operate	ad garden blowere ve	outime and blowers	cuume	
BS EN 60335-2-100	Vaporizers	ou garueri biuwers, Va	icuullis allu bluwel Va	Cuuliis	
BS EN 60335-2-101	Safety – Particular requir	aments for ass oil an	nd solid-fuel burning a	nnliances	
D3 EN 00333-2-102	Salety – Particular requir	ements for gas, off an	iu soliu-luel bullililig a	ppilatices	
Operations Manager Authorisation:	MAOREO	Issue 21	Date:17/12/24	Page 17 of 24	

Schedule to





ACT NZ Limited Tradi Electrical Testing Lab SCOPE OF ACCRED		Test Lab	Accreditation Nun	nber 1353	
	with electrical connections				
BS EN 60335-2-103	Drives for gates, doors and	d windows			
BS EN 60335-2-106	Heated carpets and for he		heating installed unde	er removable	
	floor coverings	3 · · · · · · · · · · · · · · · · · · ·	3		
BS EN 60335-2-107	Robotic battery powered e	lectrical lawnmowers	s		
BS EN 60335-2-109	UV radiation water treatme		•		
BS EN 60335-2-114	Self-balancing personal tra		ise with hatteries cont	taining	
BO EN 00000 2 114	alkaline or other non-acid		isc with batteries com	aning	
BS EN 60335-2-115	Skin beauty care appliance				
BS EN 60335-2-116	Furniture with electrically r				
BS EN 60519-1	Installations for electrohea		notic proceeding. Go	porol	
B3 EN 60319-1	requirements	ung and electromag	nelic processing – Ge	enerai	
BS EN 60529		idad by analaguras t	for alastrical aquipma	nt	
BS EN 60529	Degrees of protection prov Luminaires – General requ		ioi electrical equiprile	TIL	
	•				
BS EN 60598-2-1	Fixed general purpose lum	imaires			
BS EN 60598-2-2	Recessed luminaires		7	:(f) = = () = = = = f	
BS EN 60598-2-3	Road and street lighting (e	excluding clause 3.6.	7 load calculation ver	ilication of	
DO EN 00500 0 4	structural design)				
BS EN 60598-2-4	Portable general purpose	luminaires			
BS EN 60598-2-5	Floodlights		((((
BS EN 60598-2-6	Luminaires with built-in tra	nsformers or conver	tors for filament lamp	S	
BS EN 60598-2-8	Handlamps	<i>(</i>			
BS EN 60598-2-9	Photo and film luminaires				
BS EN 60598-2-10		Portable child-appealing luminaires			
BS EN 60598-2-11	Aquarium luminaires				
BS EN 60598-2-12		Mains socket-outlet mounted nightlights			
BS EN 60598-2-13	Ground-recessed luminaire				
BS EN 60598-2-17	Luminaires for stage lightir and indoor)	Luminaires for stage lighting, television, film, and photographic studios (outdoor and indoor)			
BS EN 60598-2-18	Luminaires for swimming p	Luminaires for swimming pools and similar applications			
BS EN 60598-2-19	Air handling luminaires				
BS EN 60598-2-20	Lighting chains				
BS EN 60598-2-22	Emergency lighting				
BS EN 60598-2-23	Extra-low-voltage lighting s	systems for ELV ligh	t sources		
BS EN 60598-2-25	Luminaires for use in clinic	al areas of hospitals	and health care build	dings	
BS EN 60669-2-1	Electronic switches				
BS EN 60730-1	Automatic controls for hou	sehold and similar u	se - General requirer	ments	
BS EN 60745-1	Safety of hand-held motor	operated electric too	ols – General requirer	ments	
BS EN 60745-2-1	Drills (Drills and impact dri	lls)	•		
BS EN 60745-2-2	Screwdrivers	•			
BS EN 60745-2-3	Grinders and polishers				
BS EN 60745-2-4	Sanders and polishers				
BS EN 60745-2-5	Circular saws				
BS EN 60745-2-6	Hammers				
BS EN 60745-2-8	Shears and nibblers				
BS EN 60745-2-9	Tappers				
BS EN 60745-2-11	Reciprocating saws (jig an	d sabre saws)			
Operations Manager Authorisation:	MAOKETO	Issue 21	Date:17/12/24	Page 18 of 24	

Schedule to





ACT NZ Limited Tradi Electrical Testing Labo SCOPE OF ACCRED		e Test Lab	Accreditation Nun	nber 1353	
BS EN 60745-2-12	Concrete vibrators				
BS EN 60745-2-13	Chain saws (excluding cla	uses 19 – mechanic	al hazards and 21 – c	onstruction)	
BS EN 60745-2-14	Planers			,	
BS EN 60745-2-16	Tackers				
BS EN 60745-2-17	Routers and trimmers				
BS EN 60745-2-18	Strapping tools				
BS EN 60745-2-19	Joiners				
BS EN 60745-2-20	Band saws				
BS EN 60745-2-21	Drain cleaners				
BS EN 60745-2-22	Cut-off machines				
BS EN 60745-2-23	Die grinders and small rot	ary tools			
BS EN 60811-1-1	Common test methods for		thing materials of elec	tric cables –	
26 211 000 11 11	Part 1: Methods for general				
	and overall dimensions –				
BS EN 60947-1	Low-voltage switchgear ar		, , ,		
DO EN 00947 1	only: 9.2.2.1, 9.2.4, 9.2.9,			coloa ciaases	
BS EN 60950-1	Safety of information tech			(excluding	
DO 211 00330 1	connections to telecommu			Choldaling	
BS EN 60974-1	Arc welding equipment, Pa				
BS EN 60974-6	Arc welding equipment, Pa			الماله لم	
DO EN 00374 0	process power sources	art o. Emilica daty po	mable are welaling arr	a anica	
BS EN 61010-1	Safety requirements for el	actrical equipment fo	ir maasuramant cont	rol and	
B3 EN 01010-1	· · · · · · · · · · · · · · · · · · ·	ecincai equipinent ic	i ineasurement, cont	oi, aiiu	
BS EN 61010-2-101	laboratory use				
BS EN 61010-2-101	In vitro diagnostic (IVD) medical equipment				
BS EN 61347-2-11	Control equipment				
BS EN 61347-2-11		Miscellaneous electronic circuits used with luminaires			
BS EN 61439-1	d.c. or a.c. supplied electronic controlgear for LED modules				
BS EN 61439-2	LV switchgear and controlgear assemblies – General rules Power switchgear and control gear assemblies				
BS EN 61439-3				3O)	
BS EN 61439-4	Distribution boards intended to be operated by ordinary persons (DBO) Assemblies for construction sites (ACS)				
BS EN 61439-5		,	worke		
BS EN 61439-6		Assemblies for power distribution in public networks Busbar trunking systems (busways) Clauses 10.13 & 10.101 flammability are			
DO EN 01439-0	excluded	busways, Clauses I	0.13 & 10.101 Hallilli	ability are	
BS EN 61439-7	Assemblies for specific ap	nlications such as m	arinae campina citae	market	
DO EN 01439-1	squares, electric vehicle c		annas, camping sites	, market	
BS EN 61558-1	Safety of power transform		actors and similar pro	nducte	
D3 LN 01330-1	General requirements as				
	Annex K)	id tests (excluding ii	isdiated willding wife	10313 111	
BS EN 61558-2-4	Isolating transformers for	reneral use			
BS EN 61558-2-6	Safety isolating transformed				
BS EN 61558-2-16	Switch mode power supply		are for ewitch mode r	ower	
B3 LN 01330-2-10	supply units	y units and transioni	iers for switch friode p	oowei	
BS EN 61558-2-17	Transformers for switch m	ada nawar cuppline			
BS EN 62109-1	Safety of power converter		ic nower evetome		
BS EN 62109-1	Safety of power converter			nvertere	
BS EN 62115	Electric toys – Safety (exc			14011019	
DO LIN UZ I IO	Lieutile toys – Salety (exc	iduing Clause 20 all			
Operations Manager	1 HOKto	Issue 21	Date:17/12/24	Page 19 of 24	
Authorisation:	11000000	10000 21	Dato. 11/12/27	. ago :0 01 24	

Schedule to





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ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Electrical Testing Laboratory Accreditation Number 1353					
SCOPE OF ACCRED	ITATION				
BS EN 62301 BS EN 62368-1	Audio/video, inforr	mation and co		nt of standby power echnology equipment	
BS EN 62841-1	Part 1: Safety requestion Electric motor-ope garden machinery	erated hand-h		portable tools and law equirements	n and
BS EN 62841-2-1 BS EN 62841-2-2 BS EN 62841-2-4	Hand-held drills an Hand-held screwd Hand-held sander	lrivers and im	pact wrenches	sc type	
BS EN 62841-2-5 BS EN 62841-2-8 BS EN 62841-2-9	Circular saws Shears and nibble Tappers and threa				
BS EN 62841-2-10 BS EN 62841-2-11 BS EN 62841-2-14	Mixers Hand-held recipro				
BS EN 62841-2-16 BS EN 62841-2-17 BS EN 62841-2-21	Planers Tackers (excluding Routers Drain cleaners	_	2)		
BS EN 62841-3-1 BS EN 62841-3-4 BS EN 62841-3-6 BS EN 62841-3-9	Transportable ber	Transportable table saws Transportable bench grinders Transportable diamond drills with liquid system Transportable mitre saws			
BS EN 62841-3-10 BS EN 62841-3-13 BS EN 62841-4-1 BS EN 62841-4-2	Transportable cut- Transportable drill Chain saws Hedge trimers	off machines	3		
Other Standards	rioago amioro				
ASTM Standards					
ASTM F88/F88M-15	Seal Strength of F	lexible Barrie	er Materials		
Brazilian Standards					
ABNT NBR NM 6033	35-1 Safety of househo	ld and simila	r electrical appli	iances – General requ	uirements
Canadian Standards					
CAN/CSA-C22.2 NO. 60335-1	· · · · · · · · · · · · · · · · · · ·				uirements
CAN/CSA-C22.2 NO. 60335-2-15	Appliances for hea	Appliances for heating liquids			
CSA E60335-2-65 CAN/CSA-C22.2 NO. 60601-1 CAN/CSA-C22.2	Air-cleaning applia Medical electrical essential performa Medical beds	equipment –	Part 1: General	requirements for bas	ic safety and
NO. 60601-2-52 CAN/CSA-C22.2 NO. 60950-1	Safety of informati connections to tele		• •	General requirements)	(excluding
Operations Manager Authorisation:	MHOKKO	Issi	ue 21	Date:17/12/24	Page 20 of 24

Schedule to

Operations Manager

Authorisation:

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading A Electrical Testing Laborate SCOPE OF ACCREDITA		Accreditation Number 1353
CAN/CSA-C22.2 NO. 61010-1 CSA C22.2 NO. 62368-1 CAN/CSA-C22.2 NO. 62841-1	laboratory use AV, information and communication – Safety requirements	tools, transportable tools and lawn and
Chinese Standards		
GB 4793-1	Safety requirements for electrical elaboratory use	quipment for measurement, control, and
Gulf Country Standards		
GSO IEC 60204-1 GSO IEC 60335-1 GSO IEC 60335-2-49 GSO IEC 60335-2-89	Safety of household and similar ele Commercial electric hot cupboards Commercial refrigerating appliance	uipment of machines – General requirements ctrical appliances – General requirements s with incorporated or remote refrigerant cluding clause 22 test for flammable
GSO IEC 60745-1 GSO IEC 60745-2-1 GSO IEC 60950-1	Safety of hand-held motor operated Drills (Drills and impact drills)	d electric tools – General requirements puipment – General requirements (excluding equipment)
GSO IEC 62115 GSO IEC 62368-1	Electric toys – Safety (excluding Claudio/video, information and comments) Part 1: Safety requirements	ause 20 and Annex E)
Indian Standards		
IS/IEC 61010-1	Safety requirements for electrical elaboratory use	quipment for measurement, control, and
IS/IEC 62368-1	Audio/video, information and comm Part 1: Safety requirements	nunication technology equipment
Japanese Standards		
JIS C 9335-1 JIS C 9335-2-9 JIS C 1010-1	Grills, toasters and similar portable	ctrical appliances – General requirements cooking appliances quipment for measurement, control, and
JIS C 8147-1 JIS C 8147-2-3 JIS C 62841-1	Lamp controlgear a.c. supplied electronic ballasts for	tools, transportable tools and lawn and
JIS C 62368-1	Audio/video, information and comm Part 1: Safety requirements	•
South Korean Standards		

Issue 21

Date:17/12/24

Page 21 of 24

1310/800-

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab

Electrical Testing Laboratory

Accreditation Number 1353

SCOPE OF ACCREDITATION

KC 60335-1 Safety of household and similar electrical appliances – General requirements

KC 60335-2-9 Grills, toasters and similar portable cooking appliances

KC 60745-1 Safety of hand-held motor operated electric tools – General requirements

KC 62368-1 Audio/video, information and communication technology equipment

Part 1: Safety requirements

Malaysian Standards

MS IEC 60950-1 Safety of information technology equipment – General requirements (excluding

connections to telecommunications equipment)

MS IEC 60335-1 Safety of household and similar electrical appliances – General requirements Safety of hand-held motor operated electric tools – General requirements

MS IEC 60745-2-1 Drills (Drills and impact drills)

South African Standards

SANS 60335-1 Safety of household and similar electrical appliances – General requirements

SANS 61010-1 Safety requirements for electrical equipment for measurement, control, and

laboratory use

SANS 62841-1 Electric motor-operated hand-held tools, transportable tools and lawn and

garden machinery - Safety - Part 1: General requirements

SANS 62368-1 Audio/video, information and communication technology equipment

Part 1: Safety requirements

Saudi Arabian Standards

SASO IEC 60335-1 Safety of household and similar electrical appliances – General requirements

SASO IEC 60335-2-49 Commercial electric hot cupboards

SASO IEC 60335-2-89 Commercial refrigerating appliances with incorporated or remote refrigerant

condensing unit or compressor (excluding clause 22 test for flammable

refrigerants)

SASO IEC 60745-1 Safety of hand-held motor operated electric tools – General requirements

SASO IEC 60745-2-1 Drills (Drills and impact drills)

SASO GSO IEC 60950-1 Safety of information technology equipment – General requirements (excluding

connections to telecommunications equipment)

SASO 62115 Electric toys – Safety (excluding Clause 20 and Annex E)

SASO IEC 62368-1 AV, information and communication technology equipment – Safety

requirements

Thailand Standards

TIS 62368 Part 1-2563 Audio/video, information and communication technology equipment

- Part 1: Safety requirements (Except for Power supply for mobile phones and

tablets, effective October 17th, 2023)

UL Standards

UL 94 Standard for Tests for Flammability of Plastic Materials for Parts in Devices

and Appliances

UL 4200A Products Incorporating Button Batteries or Coin Cell Batteries

Operations Manager Authorisation: Issue 21 Date:17/12/24 Page 22 of 24

Schedule to

UL 62841-2-1

UL 62841-2-4

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading Electrical Testing Labora SCOPE OF ACCREDITA		Accreditation Number 1353
UL 60335-1	Safety of household and similar electrical	appliances – General requirements
UL 60601-1	Medical electrical equipment – Part 1: Ge essential performance	
UL 60950-1	Safety of information technology equipme connections to telecommunications equip	
UL 61010-1	Safety requirements for electrical equipment laboratory use	ent for measurement, control, and
UL 62368-1	AV, information and communication techr requirements	nology equipment – Safety
UL 62841-1	Electric motor-operated hand-held tools, t garden machinery – Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety – Part 1: General Safety –	

3.85 Performance Tests on Electrical Appliances and Accessories

Hand-held drills and impact drills

Performance tests on fire detection and alarm systems in accordance with the standards listed below. Note, this is equivalent to work carried out under the Applied Physics Accreditation Class of Test 6.35 (a) Fire detection and alarm systems.

Hand-held sanders and polishers other than disc type

Testing of smoke, flame, CO or combination detectors and radio transmitting devices are excluded as is electromagnetic interference and immunity tests, radio transmission tests and sulphur dioxide corrosion endurance tests.

In accordance with NZS 4512:2010 Fire Detection and Alarm Systems in Buildings Parts 1, 2, 3 and Appendices D, E and F only, as below

Part 1 General

Part 2 Design and Construction – Multi-Zone Fire Alarm Systems
Part 3 Design and Construction – Single-Zone Fire Alarm Systems

Appendix D Specification for heat actuated fire detectors,

Appendix E Specification for manual call points,

Appendix F Audible alerting signals;

but excluding clauses: 216.2, 216.3, 216.4 & 222

In accordance with NZS 4512:2021 Fire Detection and Alarm Systems in Buildings Sections 1, 2, 3 and Appendices E, F and G only, as below

Section 1 General

Section 2 Design and Construction – Multi-Zone Fire Alarm Systems
Section 3 Design and Construction – Single-Zone Fire Alarm Systems

Appendix E Specification for heat actuated fire detectors,

Appendix F Specification for manual call points,

Appendix G Audible alerting signals;

but excluding clauses: 2.16.2, 2.16.3, 2.16.4, 2.16.5, 2.21.1, 2.21.2, 2.24, E 10 & F 10

Operations Manager Authorisation:	AGOPATIO-	Issue 21	Date:17/12/24	Page 23 of 24

Schedule to

CERTIFICATE OF ACCREDITATION





ACT NZ Limited Trading As Auckland Lab & Brisbane Test Lab Electrical Testing Laboratory

SCOPE OF ACCREDITATION

Accreditation Number 1353

In accordance with AS 4428.4-2016 Fire detection, warning, control and intercom systems – Control and indicating equipment Part 4: Emergency intercom control and indicating equipment, excluding clause 16.13

In accordance with AS 4428.16:2020 Fire detection, warning, control and intercom systems Part 16: Emergency warning control and indicating equipment, excluding clause 18.16

In accordance with AS 7240.2-2018 or ISO 7240-2:2017 Fire Detection and Alarm Systems Part 2 Fire detection control and indicating equipment, excluding clause 5.8

In accordance with AS 7240.4-2018 or ISO 7240-4:2017 Fire Detection and Alarm Systems Part 4 Power supply equipment, excluding clause 6.10 EMC immunity testing

In accordance with AS ISO 7240.11:2018 Fire Detection and Alarm Systems Part 11 Manual Call Points, excluding clauses 5.13 & 5.18

In accordance with AS 7240.13-2021 or ISO 7240-13:2020 Fire Detection and Alarm Systems Part 13 Compatibility assessment of system components, excluding clause 4.2.5 b and related clauses

In accordance with AS ISO 7240.17:2021 Fire Detection and Alarm Systems Part 17 Transmission path isolators, excluding clauses 5.8 & 5.13

In accordance with AS ISO 7240.18:2018 Fire Detection and Alarm Systems Part 18 Input/output devices, excluding clauses 5.7, 5.8 & 5.12

Operations Manager Authorisation: Issue 21 Date:17/12/24 Page 24 of 24