

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
22090M10018	22090M10055	150.0	50.0	4.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 150x50x4.0

Heat No.	Steel Supplier	Testing Authority/NATA (ILAC) No			Steel Chemical Analysis																	Mechanical Test Results (Orientation-"L")									
		Tensile	Impact	Chemical	Analysis Type "L"/"P"	Testing Report No	C	P	Mn	Si	S	Ni	Cr	Mo	Cu	Al	Ti	Nb	V	B	CE	SiE	Testing Report No-Sample ID	Condition	Tensile Test			Impact Test at 0°C			
							(% x 100)																		YS	TS	E	1	2	3	Avg
6819979	Australia-BSL	VTS/19968		BSL/632	L	C37273	16.2	1.9	73	<0.5	1.2	1.6	3.9	0.4	4.9	2.9	<0.2	0.1	<0.3	<0.03	29	5	22-140/1-24085	A	418	490	32				
6820699	Australia-BSL	VTS/19968		BSL/632	L	C37264	15.7	1.7	74	0.7	1.3	1.8	3.5	0.4	4.7	4	<0.2	0.1	<0.3	<0.03	29	5									
6821839	Australia-BSL	VTS/19968		BSL/632	L	D92618	16.5	1.7	73	0.7	1.2	1.9	3.8	0.4	5.2	3.8	<0.2	0.1	<0.3	<0.03	30	5									
7815619	Australia-BSL	VTS/19968		BSL/632	L	03253SPH /2	16.1	1.1	72	0.6	1	1.6	3.7	0.4	4.8	3.1	<0.2	0.1	<0.3	<0.03	29	3									

- Notes:**
- 1) CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15; 2) SiE=Si+2.5P; 3) Gauge Length for E= 5.65VSo; 4) Impact test piece thickness is 5 mm;
 - 5) For t less than 6 mm L0 properties derived as per Cl 9.4.2.3 (b) of AS/NZS 1163; 6) "L" = LADLE, "P" = PRODUCT
 - 7) ALS=Australian Laboratory Services Industrial; VTS= Victorian Testing Inspection Services P/L; SS=Spectrometer Services Pty Ltd; BSL=Bluescope Steel;
 - 8) The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length;
 - 9) The steel is made by basic oxygen or an electric arc process and is fully killed, continuously cast and fine grained. The strip was hot rolled at the hot strip mill.
 - 10) Statistical sampling to AS1163 Cl B3.2.
 - 11) Tensile test performed to AS1391, impact test- to AS1544.2



Product Test Certificate

221163

Certificate Number

4/04/2022

Date



CERT NO.
161104

Packs covered by this certificate

Heat	Pack Numbers
6819979	22090M10018 22090M10019 22090M10020 22090M10021 22090M10022 22090M10023 22090M10024
6821839	22090M10024 22090M10025 22090M10026 22090M10027 22090M10028 22090M10029 22090M10030 22090M10031 22090M10032 22090M10033 22090M10034 22090M10035 22090M10043 22090M10044 22090M10045 22090M10046 22090M10049 22090M10050 22090M10051 22090M10052 22090M10053 22090M10054 22090M10055
7815619	22090M10035 22090M10036 22090M10037
6820699	22090M10037 22090M10038 22090M10039 22090M10040 22090M10041 22090M10042 22090M10043 22090M10046 22090M10047 22090M10048 22090M10049

Australian Pipe and Tube confirms that products listed above were manufactured, tested, and supplied in full compliance with the specifications quoted in this certificate.

**Authorized signatory: MIKE DOUBLEDAY
MANAGER**