

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d / do	b	t	L	Specification	Grade	Product Description
19344M10001	19344M10053	50.0	50.0	1.6	Any	AS/NZS AS1163 : 2016	C350L0	Galvanised 50x50x1.6

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			
							YS	TS	E	1	2	3	Avg																		
		(% x 100)																MPa	%	Joules											
6677218	Australia-BSL	VTS/19968		BSL/632	L	51987WP	16.5	2.1	72	0.7	1.2	0.7	1.4	0.2	0.7	3.8	<0.2	0.1	<0.03	0.03	30	6	VT19-1596-15019	A	364	458	42				
6677759	Australia-BSL	VTS/19968		BSL/632	L	MANUAL	16.8	1.5	73	<0.5	1.4	1.7	2.9	0.3	4.3	3.7	<0.2	0.1	<0.3	0.03	30	4									
6678699	Australia-BSL	VTS/19968		BSL/632	L	D52360	16.3	2.2	72	<0.5	1.3	1.6	3.4	0.4	3.8	3.4	<0.2	0.1	<0.3	0.05	29	6									

- Notes:**
- 1) $CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$; 2) $SiE = Si + 2.5P$; 3) Gauge Length for E = $5.65\sqrt{So}$; 4) Impact test piece thickness is 5 mm;
 - 5) For t less than 6 mm L0 properties derived as per CI 9.4.2.3 (b) of AS/NZS 1163; 6) "L" = LADLE, "P" = PRODUCT
 - 7) ALS=Australian Laboratory Services Industrial; MTL = Mec Test Laboratories; 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 CI B3.2.



Product Test Certificate

191941

17/12/2019

Certificate Number

Date



CERT NO.
161104

Packs covered by this certificate

Heat	Pack Numbers
6677218	19344M10001 19344M10002 19344M10003 19344M10004 19344M10005 19344M10006 19344M10007 19344M10008 19344M10009 19344M10010 19344M10011 19344M10012 19344M10013 19344M10014 19344M10015 19344M10016 19344M10017 19344M10018 19344M10019 19344M10020 19344M10021 19344M10022 19344M10023 19344M10027 19344M10028 19344M10029 19344M10030 19344M10031 19344M10032 19344M10033 19344M10034 19344M10038 19344M10039 19344M10040 19344M10041 19344M10042 19344M10043 19344M10044 19344M10045
6677759	19344M10023 19344M10024 19344M10025 19344M10026 19344M10027 19344M10040 19344M10041
6678699	19344M10034 19344M10035 19344M10036 19344M10037 19344M10038 19344M10038 19344M10045 19344M10046 19344M10047 19344M10048 19344M10049 19344M10050 19344M10051 19344M10052 19344M10053

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**