

Product Test Certificate

201807

13/10/2020

Certificate Number

Date



CERT NO.
161104

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
20276M10002	20276M10020	65.0	65.0	1.6	Any	AS/NZS AS1163 : 2016	C350L0	Galvanised 65x65x1.6

Heat No.	Steel Supplier	Testing Authority/NATA (ILAC) No			Steel Chemical Analysis																Mechanical Test Results (Orientation-"L")											
					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				
		Tensile	Impact	Chemical			(% x 100)																		YS	TS	E	1	2	3	Avg	
																									MPa	%	Joules					
6707559	Australia-BSL	VTS/19968		BSL/632	L	46175WP D/2	16.9	1.2	73	0.5	1.4	2.9	0.4	3.4	5.5	3.4	<0.2	0.1	<0.3	0.03	30	4										
7732419	Australia-BSL	VTS/19968		BSL/632	L	49603WP D/2	17.1	1.6	71	0.5	1.8	1.7	3	0	4.3	3.4	<0.2	0.1	<0.3	0.03	30	4	VT20-504-19890	A	396	478	37					

- 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.



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Packs covered by this certificate

Heat	Pack Numbers
7732419	20276M10002 20276M10003 20276M10004 20276M10005 20276M10006 20276M10010 20276M10011 20276M10012 20276M10013 20276M10015 20276M10016 20276M10017 20276M10018
6707559	20276M10006 20276M10007 20276M10008 20276M10009 20276M10010 20276M10013 20276M10014 20276M10015 20276M10018 20276M10019 20276M10020

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