



# Product Test Certificate

**161029**

Certificate Number

**30/03/2016**

Date

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
16082M10047	16082M10058	75	50	5	Any	AS1163	C350L0	Painted 75x50x5.0

Heat No.	Steel Supplier	Testing Authority/NATA (ILAC) No			Steel Making Process	Steel Chemical Analysis (% x100) As supplied by Steelmaker ("L")														Mechanical Test Results (Orientation-"L")										
		Tensile	Impact	Chemical		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
N50995	Import	MTL/17279		SS/19570	BO,CC	15.7	1.7	103	1.4	.28	1	2	0	1.4	3.7	.1	1.8	.1	.01	34	6	T3128-5207	A	503	574	29				
N54336	Import	MTL/17279		SS/19570	BO,CC	16	1.4	104	1.3	.54	.01	.02	0	1.8	2.8	.1	1.7	0.1	.01	34	5	T3128-5208	A	504	579	29				

**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 10.6.2.2 (b) of AS/NZS 1163; 6) Data in the table refers to the samples representative for each line;
- 7) BO,SC= Basic Oxygen,Continuous (Slab) Casting; 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) Information provided by BSL " STEEL FEED: IN ACCORDANCE WITH CLAUSES 6 AND 10.6.2.2 OF AS/NZS 1163:2009 THESE COILS WERE PRODUCED FROM ALUMINIUM FULLY KILLED, FINE GRAINED STEEL AND ALUMINIUM HAS BEEN USED AS THE GRAIN REFINING ELEMENT".



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## Packs covered by this certificate

Heat	Pack Numbers
N50995	16082M10047 16082M10048 16082M10049 16082M10050 16082M10051 16082M10052 16082M10053 16082M10054
N54336	16082M10051 16082M10052 16082M10054 16082M10055 16082M10056 16082M10057 16082M10058

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

Authorized signatory: R.Fisher