



Product Test Certificate

161094

4/05/2016

Certificate Number

Date

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
16118M10045	16119M10004	50	25	1.6	Any	AS1163	C350L0	Painted 50x25x1.6

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
N47686	Import	MTL/17279		SS/19570	BO,CC	15	1	94	1.7	<2	<1	2	<1	<1	1	1	<1	3.8	<0.05	32	4	T3156-5421	A	493	560	28				
N54330	Import	MTL/17279		SS/19570	BO,CC	12	2	65	5	0.9	1	1	1	1.5	2.3	0.1	1	3	0	24	10	T3156-5422	A	541	596	25				

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
N47686	16118M10045 16118M10046 16118M10047 16118M10048 16119M10001 16119M10002
N54330	16119M10002 16119M10003 16119M10004

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