



# Product Test Certificate

161064

21/04/2016

Certificate Number

Date

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
16105M10003	16105M10006	100	50	3	Any	AS1163	C350L0	Painted 100x50x3.0

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
7474349	Australia-BSL	MTL/17279		BSL/632	BO, CC + note 9	15	1.2	76	.5	.9	1.7	1	.2	.8	3.6	.2	1	.3	.03	29	4	T3142-5351	A	432	531	34				

- 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
7474349	16105M10003 16105M10004 16105M10005 16105M10006

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