Product Test Certificate

161325 Certificate Number

8/09/2016 Date

AUSTRALIAN PIPE & TUBE

PackFrom	PackTo	RHS/SHS/CHS Nominal Size (mm) d /do	b	t	L	Specification	Grade	Product Description
16250M10011	16250M10016	50.0	25.0	3.0	Any	AS1163: 2016	C350L0	Galvanised 50x25x3.0

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			
							(% x 100)																		YS	TS	E	1	2	3	Avg
																									MPa		%	Joules			
MQ179	Import	MTL/19968		SS/19570	P	65237	20	1.2	84	1.2	<2	1	1	2	2	1	4.5	<1	<1	<1	36	5	T3302-6993	A	514	579	22				

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√So; **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; 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, CONTINOUSLY CAST AND FINE GRAINED. THE STRIP WAS HOT ROLLED AT THE HOT STRIP MILL.

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Packs covered by this certificate

Heat	Pack Numbers
MQ179	16250M10011 16250M10012 16250M10013 16250M10014 16250M10015 16250M10016

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: L. DONALD

CEO