



Product Test Certificate

161203

5/07/2016

Certificate Number

Date

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
16180M10012	16180M10036	75	75	3	Any	AS1163: 2016	C350L0	Galvanised 75x75x3.0

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			
							YS	TS	E	1	2	3	Avg																		
		(% x 100)																	MPa		%		Joules								
5G02898B	Import	MTL/17279		SS/19570	P	64679	13	1.3	67	<2	1.1	<1	2	1	1	4.6	<1	2	<1	<0.05	25	5	T3216-5656	A	493	572	24				
5G02905B	Import	MTL/17279		SS/19570	P	64679	12	1.6	64	<2	1.1	<1	3	1	2	3.5	<1	2	<1	<0.05	24	6	T3216-5667	A	497	567	22				
LT176	Import	MTL/17279		SS/19570	P	64679	13	1.4	51	2	1.1	1	6	1	3	6.4	1	1	<1	<0.05	22	6	T3216-5670	A	424	486	26				
MF852	Import	MTL/17279		SS/19570	P	64679	11	1.3	50	<2	1	1	6	1	2	6	<1		<1	<0.05	20	5	T3216-5669	A	411	481	29				
MF869	Import	MTL/17279		SS/19570	P	64679	13	2.9	63	2	2.2	<1	2	1	1	3.2	<1		<1	<0.05	24	9	T3216-5671	A	410	469	30				
MF961	Import	MTL/17279		SS/19570	P	64679	12	1.4	50	<2	1	<1	6		1	5.5	<1		<1	<0.05	21	6	T3216-5668	A	408	477	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 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, CONTINUOUSLY CAST AND FINE GRAINED. THE STRIP WAS HOT ROLLED AT THE HOT STRIP MILL.



Product Test Certificate

161203

Certificate Number

5/07/2016

Date

Packs covered by this certificate

Heat	Pack Numbers
5G02905B	16180M10012 16180M10013 16180M10015 16180M10016 16180M10017 16180M10019 16180M10020 16180M10021 16180M10022
5G02898B	16180M10013 16180M10014 16180M10015
MF961	16180M10022 16180M10023 16180M10029 16180M10030 16180M10035 16180M10036
MF852	16180M10023 16180M10024 16180M10025 16180M10026 16180M10027 16180M10028
LT176	16180M10028 16180M10029 16180M10033 16180M10034 16180M10035
MF869	16180M10030 16180M10031 16180M10032 16180M10033

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**