

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
22157M10041	22157M10043	40.0	40.0	4.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 40x40x4.0
22158M10001	22158M10006							

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
7836929	Australia-BSL	VTS/19968		BSL/632	L	C37311	16.5	1.3	74	<0.5	2	5.9	3.3	0.7	4.7	3.7	<0.2	0.1	<0.3	<0	30	4	22-224/5-26191	A	515	558	17				

**Notes:**

- 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;
- 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
- ALS=Australian Laboratory Services Industrial; VTS= Victorian Testing Inspection Services P/L; SS=Spectrometer Services Pty Ltd; BSL=Bluescope Steel;
- The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length;
- 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.
- Statistical sampling to AS1163 Cl B3.2.
- Tensile test performed to AS1391, impact test- to AS1544.2



# Product Test Certificate

**221276**

Certificate Number

**10/06/2022**

Date



CERT NO.  
**161104**

## Packs covered by this certificate

Heat	Pack Numbers
7836929	22157M10041 22157M10042 22157M10043 22158M10001 22158M10002 22158M10003 22158M10004 22158M10005 22158M10006

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: **MIKE DOUBLEDAY**  
**MANAGER**