

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
22138M10006	22138M10006	89.0	89.0	3.5	Any	AS/NZS AS1163 : 2016	C350L0	Galvanised 89x89x3.5
22139M10001	22139M10026							

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				
6828548	Australia-BSL	VTS/19968		BSL/632	L	05579SPH /2	9.4	1.2	45	0.5	1.5	1.4	2.4	0.2	3.8	3.3	<0.2	0.1	<0.3		18	4													
7830159	Australia-BSL	VTS/19968		BSL/632	L	06460SPH /2	10	1.7	44	0.5	0.9		3.9	0.3	3.8	3.4	<0.2	0.1	<0.3		18	5	22-176/10-26154	A	428	470	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 CI 9.4.2.3 (b) of AS/NZS 1163; 6) "L" = LADLE, "P" = PRODUCT
  - 7) ALS=Australian Laboratory Services Industrial; VTS= Victorian Testing Inspection Services P/L; 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.
  - 10) Statistical sampling to AS1163 CI B3.2.
  - 11) Tensile test performed to AS1391, impact test- to AS1544.2



# Product Test Certificate

**221239**

Certificate Number

**26/05/2022**

Date



CERT NO.  
**161104**

## Packs covered by this certificate

Heat	Pack Numbers
7830159	22138M10006 22139M10001 22139M10003 22139M10004 22139M10005 22139M10008 22139M10009 22139M10010
6828548	22139M10001 22139M10002 22139M10003 22139M10005 22139M10006 22139M10007 22139M10010 22139M10011 22139M10012 22139M10013 22139M10014 22139M10015 22139M10016 22139M10017 22139M10018 22139M10029 22139M10020 22139M10021 22139M10022 22139M10023 22139M10024 22139M10025 22139M10026

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**