

Product Test Certificate

231293

9/08/2023

Certificate Number

Date

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
23219M10080	23219M10088	100	50	6.0	Any	AS/NZS 1163 : 2016	C350L0	Painted 100x50x6.0
23220M10001	23220M10025							

Heat No.	Steel Supplier	Testing Authority/NATA (ILAC) No			Steel Chemical Analysis																Mechanical Test Results (Orientation-"L")										
					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			
		Tensile	Impact	Chemical			(% x 100)																		YS	TS	E	1	2	3	Avg
																		MPa			Joules										
33157816	Import	VTS	VTS/19968	CNAS	L	IQ3M408008	13	1.6	84	1	0.7	1	2	0	1	3.2	0	1	0	0	28	5	23-285/6-29892	A	455	521	29	86	86	87	86
33157816	Import	VTS	VTS/19968	CNAS	L	IQ3M408008	13	1.6	84	1	0.7	1	2	0	1	3.2	0	1	0	0	28	5	23-285/6-29892	A	455	521	29	86	86	87	86

Notes:

- CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15;
- SiE=Si+2.5P;
- Gauge Length for E= 5.65VSo;
- 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;
- Analysis Type: "L" = LADLE, "P" = PRODUCT
- VTS = Victorian Testing Inspection Services P/L: NATA Accreditation Number: 19968; BSL = BlueScope Steel (AIS) Pty Limited: NATA Accreditation Number: 0632; ILAC = International Laboratory Accreditation Cooperation (CNAS L0184 / KT101);
- 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 AS/NZS 1163-2016 Cl B3.2.
- Tensile tests performed in accordance to AS1391, Impact tests performed in accordance to AS1544.2
- APT holds ACRS accreditation (Certification Number: 161104) for the manufacture of cold-formed structural steel hollow sections to AS/NZS 1163:2016.



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Packs covered by this certificate

Heat	Pack Numbers
33157816	23219M10080 23219M10081 23219M10082 23219M10083 23219M10084 23219M10085 23219M10086 23219M10087 23219M10088 23220M10001 23220M10002 23220M10003 23220M10004 23220M10005 23220M10006 23220M10007 23220M10008 23220M10009 23220M10010 23220M10011 23220M10012 23220M10013 23220M10014 23220M10015 23220M10016 23220M10017 23220M10018 23220M10019 23220M10020 23220M10021 23220M10022 23220M10023 23220M10024 23220M10025

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