

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
22045M10006	22045M10094	100.0	50.0	3.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 100x50x3.0
22046M10001	22046M10006							

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		
6813239	Australia-BSL	VTS/19968		BSL/632	L	C37255	16.9	1.4	70	<0.5	1	1.6	3.5	0.3	540	3.7	<0.2	0.1	<0.3	0.04	30	4											
6814229	Australia-BSL	VTS/19968		BSL/632	L	C37252	16.7	1.6	74	0.7	1.3	1.7	4.2	0.3	5.4	2.8	<0.2	0.1	<0.3	<0.03	30	5											
6814249	Australia-BSL	VTS/19968		BSL/632	L	C37252	16.6	1.7	73	<0.5	1.2	1.6	4.1	0.3	4.9	3.3	<0.2	0.1	<0.3	<0.03	30	5	VT22-047-22980	A	434	507	27						
6814269	Australia-BSL	VTS/19968		BSL/632	L	C37252	16.3	1.6	73	<0.5	1.2	1.7	4.3	0.3	5.2	3.3	<0.2	0.1	<0.3	<0.03	29	4											

- 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; 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 Cl B3.2.
  - 11) Tensile test performed to AS1391, impact test- to AS1544.2



# Product Test Certificate

**221055**

Certificate Number

**17/02/2022**

Date



CERT NO.  
**161104**

## Packs covered by this certificate

Heat	Pack Numbers
6814249	22045M10006 22045M10007 22045M10009 22045M10010 22045M10011 22045M10012 22045M10016 22045M10017 22045M10018 22045M10019 22045M10021 22045M10022 22045M10024 22045M10025 22045M10026 22045M10027 22045M10030 22045M10031 22045M10032 22045M10033 22045M10034 22045M10041 22045M10042 22045M10043 22045M10054 22045M10055 22045M10056 22045M10062 22045M10063 22045M10088 22045M10089 22046M10003 22046M10004
6814269	22045M10007 22045M10008 22045M10009 22045M10012 22045M10013 22045M10014 22045M10015 22045M10016 22045M10019 22045M10020 22045M10021 22045M10022 22045M10023 22045M10024 22045M10027 22045M10028 22045M10029 22045M10034 22045M10035 22045M10036 22045M10037 22045M10038 22045M10045 22045M10046 22045M10047 22045M10048 22045M10049 22045M10050 22045M10052 22045M10054 22045M10056 22045M10057 22045M10058 22045M10059 22045M10060 22045M10061 22045M10062 22045M10063 22045M10064 22045M10065 22045M10067 22045M10068 22045M10069 22045M10073 22045M10074 22045M10075 22045M10076 22045M10078 22045M10079 22045M10080 22045M10084 22045M10085 22045M10086 22045M10089 22045M10090 22045M10091 22045M10092 22045M10093 22046M10004 22046M10005 22046M10006
6814229	22045M10029 22045M10030 22045M10038 22045M10039 22045M10071 22045M10072 22045M10073 22045M10080 22045M10081 22045M10082 22045M10083 22045M10084 22045M10093 22045M10094 22046M10001
6813239	22045M10032 22045M10033 22045M10039 22045M10040 22045M10041 22045M10043 22045M10044 22045M10045 22045M10065 22045M10066 22045M10067 22045M10069 22045M10070 22045M10071 22045M10076 22045M10077 22045M10078 22045M10086 22045M10087 22046M10001 22046M10002 22046M10003

**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**