

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
19350M10025	19351M10001	150.0	50.0	3.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 150x50x3.0

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					
							(% x 100)	YS	TS	E	1	2	3	Avg																			
6679778	Australia-BSL	VTS/19968		BSL/632	L	C37020	16	1.8	72	0.6	0.9	1.1	2.3	0.2	2.3	3	<0.2	0.1	<0.3	<0.03	29	5											
7687989	Australia-BSL	VTS/19968		BSL/632	L	D53733	15.1	2.1	73	0.5	1.3	2.3	3.9	0.4	5.5	4.4	0.2	0.1	<0.3	0.03	28	6	VT19-1617-15043	A	380	481	39						

- Notes:**
- 1)  $CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15$ ; 2)  $SiE=Si+2.5P$ ; 3) Gauge Length for E =  $5.65\sqrt{So}$ ; 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; 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.
  - 10) Statistical sampling to AS1163 CI B3.2.



**Product Test Certificate**

**191963**

**18/12/2019**

Certificate Number

Date



CERT NO.  
**161104**

**Packs covered by this certificate**

Heat	Pack Numbers
7687989	19350M10025 19350M10026 19350M10027 19350M10028 19350M10029 19350M10030 19350M10031 19350M10032 19350M10033 19350M10034 19350M10035 19350M10036
6679778	19350M10036 19350M10037 19350M10038 19350M10039 19350M10040 19351M10001

**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**