

- 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 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

Packs covered by this certificate

Heat	Pack Numbers
7836659	22251M10022 22251M10023 22251M10029 22251M10030 22251M10031 22251M10037 22251M10038 22251M10039
7836659	22251M10022 22251M10023 22251M10029 22251M10030 22251M10031 22251M10037 22251M10038 22251M10039
7838299	22251M10023 22251M10024 22251M10048 22251M10049 22251M10050 22251M10052 22251M10053 22251M10054 22251M10055
7836649	22251M10024 22251M10025 22251M10026
7838619	22251M10026 22251M10027 22251M10028 22251M10029



Product Test Certificate

221464

Certificate Number

12/09/2022

Date



CERT NO.
161104

7845589	22251M10031 22251M10032 22251M10033 22251M10034 22251M10035 22251M10039 22251M10040 22251M10041 22251M10042 22251M10043
7831889	22251M10035 22251M10036 22251M10037
7829659	22251M10043 22251M10044 22251M10045 22251M10046
7847649	22251M10046 22251M10047 22251M10048 22251M10050 22251M10051 22251M10052

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**