

- 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
7836909	22176M10005 22176M10006 22176M10007 22176M10008 22176M10025 22176M10026 22176M10027 22176M10045 22176M10046 22176M10047 22176M10048 22176M10054 22176M10055 22176M10056 22176M10057 22176M10060 22176M10061 22176M10062 22176M10063
7836889	22176M10008 22176M10009 22176M10010 22176M10011 22176M10012 22176M10013 22176M10014 22176M10017 22176M10018 22176M10019 22176M10020 22176M10021 22176M10022 22176M10057 22176M10058 22176M10059 22176M10060 22176M10063 22176M10064 22176M10065 22176M10066
7836929	22176M10014 22176M10015 22176M10016 22176M10017 22176M10033 22176M10034 22176M10035 22176M10036 22176M10037 22176M10038 22176M10039 22176M10040 22176M10041 22176M10042 22176M10043 22176M10044 22176M10045 22176M10048 22176M10049 22176M10050 22176M10051 22176M10066 22176M10067 22176M10068 22176M10069 22176M10070 22176M10071
7835329	22176M10022 22176M10023 22176M10024 22176M10025
6821839	22176M10027 22176M10028 22176M10029 22176M10030 22176M10031 22176M10032 22176M10051 22176M10052 22176M10053 22176M10054



Product Test Certificate

221301

Certificate Number

29/06/2022

Date



CERT NO.
161104

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