

RHS/SHS/CHS
Nominal Size (mm)

| PackFrom | PackTo | d /do | b | t | L | Specification | Grade | Product Description |
|-------------|-------------|-------|------|-----|-----|----------------------|--------|---------------------|
| 22250M10012 | 22250M10022 | 50.0 | 50.0 | 3.0 | Any | AS/NZS AS1163 : 2016 | C350L0 | Painted 50x50x3.0 |

| 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 | | | |
| 7838639 | Australia-BSL | VTS/19968 | | BSL/632 | L | C37315 | 16.1 | 1.7 | 72 | 0.5 | 1.4 | 1.6 | 3.5 | 0.3 | 5.9 | 3.7 | <0.2 | 0.1 | <0.3 | <0.03 | 29 | 5 | | | | | | | | | | | | |
| 7841189 | Australia-BSL | VTS/19968 | | BSL/632 | L | C37323 | 16 | 1.6 | 71 | 0.6 | 1.2 | 1.6 | 4.4 | 0.4 | 5.7 | 4.2 | <0.2 | 0.1 | <0.3 | <0.03 | 29 | 5 | 22-360/4-26413 | A | 454 | 519 | 22 | | | | | | | |

- 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

221459

Certificate Number

9/09/2022

Date



CERT NO.
161104

Packs covered by this certificate

| Heat | Pack Numbers |
|-------------|---|
| 7841189 | 22250M10012 22250M10013 22250M10014 22250M10015 22250M10017 22250M10018 22250M10020 22250M10021 |
| 7838639 | 22250M10013 22250M10014 22250M10015 22250M10016 22250M10017 22250M10018 22250M10019 22250M10020 22250M10021 22250M10022 |

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**