

TEST CERTIFICATE



**BLUESCOPE
STEEL**

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| Customer: ACEROS PROCESADOS S.A. JIRON CHICLAYO, 893 MIRAFLORES LIMA - 18 PERU | Supplier: BlueScope Steel Limited PORT KEMBLA, NSW, AUSTRALIA A.B.N. 16 000 011 058 |
| Cust Order No: 652971 Ship To: CALLAO SPIRIT OF AUCKLAND V | Sales Order No: 312945 Printed At: Supplier MWS on: 12/02/2016 |



Accredited for compliance with ISO/IEC 17025.

I certify that the original records of the company show that the item(s) referred to on this certificate conform to the specification as stated and that the product test results on this certificate supercede product test results on any other certificate.

R. MATHIESSEN - BLUESCOPE STEEL APPROVED SIGNATORY
Mechanical LAB 0631
S. ANDREWS - BLUESCOPE STEEL APPROVED SIGNATORY
Chemical LAB 0632

SPECIFICATION: **AS 1397**
PRODUCT: **ZINCFORM (R) G300 Z275**

INSPECTION: Supplier
CERTIFICATION: Supplier

CHEMICAL ANALYSIS

Percentage of element by mass (L=Cast, P=Product, -S=Soluble, -T=Total, CF=Chemical Formula, n=Min, x=Max)

| Item No | Heat / Unit No | NATA Lab | L/P | C | P | Mn | Si | S | Ni | Cr | Mo | Cu | Al-T | Ti | Nb | Sn | N | V |
|---------|----------------|----------|-----|------|------|-----|-------|------|------|------|-------|------|------|-------|------|-------|-------|-------|
| 01 | 6470289 | 0632 | L | .096 | .013 | .40 | .006 | .011 | .021 | .026 | .002 | .040 | .021 | <.002 | .001 | .002 | .0043 | <.003 |
| 01 | 6470299 | 0632 | L | .105 | .012 | .45 | <.005 | .014 | .022 | .022 | <.002 | .042 | .033 | <.002 | .001 | .002 | .0043 | <.003 |
| 01 | 6471799 | 0632 | L | .105 | .016 | .44 | .007 | .013 | .019 | .023 | .002 | .035 | .035 | <.002 | .001 | <.002 | .0032 | <.003 |
| 01 | 6471819 | 0632 | L | .095 | .020 | .45 | .007 | .012 | .013 | .011 | <.002 | .009 | .031 | <.002 | .001 | <.002 | .0041 | <.003 |

Tensile AS1391

| Item No | Heat No | NATA Lab | Thickness mm | LYS (ReL) min, MPa | LYS (ReL) max, MPa | TS (Rm) min, MPa | TS (Rm) max, MPa | Lo mm | TE (A) min, % | TE (A) max, % |
|---------|---------|----------|--------------|--------------------|--------------------|------------------|------------------|-------|---------------|---------------|
| 01 | 6470289 | 0631 | .7600NOMTCT | 331 | 331 | 415 | 415 | 80 | 34 | 34 |
| 01 | 6470299 | 0631 | .7600NOMTCT | 340 | 344 | 419 | 420 | 80 | 33 | 34 |
| 01 | 6471799 | 0631 | .7600NOMTCT | 339 | 346 | 418 | 424 | 80 | 34 | 37 |
| 01 | 6471819 | 0631 | .7600NOMTCT | 342 | 349 | 419 | 426 | 80 | 32 | 36 |