

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 5529

(262585-011) INV #00124800 03/02/21 Date: 02/22/03

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

Ship to: TUBOS CONEXIONES Y TANQUES 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

| Heat Code | Quantity | Description / Specifications | |
|-----------|----------|--------------------------------------|--|
| EM01YZ | 10 | 20 STD CAP A516-70 106/B1W7098 | A/SA 234 - 00 WPB NORM. 1750 NACE MR0175 |
| M2TN | 5 | 8 X 6 XH ECC A106B 133/ 561UN NSS | A/SA 234 - 00 WPB NORMALIZED NACE MR0175 |

Chemical Analysis

| Heat Code | Test | C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Al |
|-----------|------|------|-------|------|------|------|------|------|------|------|-------|
| EM01YZ | M | .240 | 1.110 | .008 | .004 | .190 | .150 | .060 | .050 | .010 | .0280 |
| M2TN | M | .190 | .880 | .006 | .006 | .240 | .290 | .090 | .060 | .020 | |

Chemical Analysis (cont.)

| Heat Code | N | V | B | Ti | Cb | Sn | W | Pb | Co | CE |
|-----------|-------|------|-------|-------|------|------|------|------|------|------|
| EM01YZ | .0100 | .010 | .0005 | .0100 | .010 | .007 | .003 | .002 | .050 | .453 |
| M2TN | | .001 | | | .001 | | | | | .378 |

Physical Properties

| Heat Code | Tensile KSI | Type | Thickness | Yield KSI | % Elong. (4D) | % RA | Hardness HB |
|-----------|-------------|------|-----------|-----------|---------------|------|-------------|
| EM01YZ | 82.7 | T | | 42.9 | 30.0 | 65.0 | 137 |
| M2TN | 74.9 | | | 50.9 | 35.0 | 68.4 | 197 |

Charpy Results

| Heat Code | Size x 10mm | Type | Temp. (F) | Foot Pounds | Later. Expansion | % Shear |
|-----------|-------------|------|-----------|-------------|------------------|---------|
| EM01YZ | | | | | | |
| M2TN | | | | | | |

Test: M=Mill Product

Type: T=Transverse

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.
 /S/ Glinda LaFleur