



MACEROSFORJADOS DE IZCALLI S.A. DE C.V.

Calle : Amapola mz 2 Num.Int11 Colonia Ejido el socorro C.P. : 5474
 CUAUTITLAN IZCALLI EDO MEXICO
 TEL 5870-5003 Y 5870 8406 NEXTEL : 3538-5524 Email: mary.barrera@macerosforjados.com.mx E-mail: macerosforjados@hotmail.com

| | | | | | |
|--|--|-------------------------------|--|------------------|-----------------|
| CERTIFICADO DE CALIDAD EN10204 - 3.1B | | CERTIFICADO No. | | - 1902 | |
| CLIENTE | | FECHA: | | 06-abr-16 | |
| PLESA ANAHUAC Y CIAS S.A. DE C.V. | | No. DE ORDEN DE COMPRA | | 23411 | REF 2318 |

ESPECIFICACIONES

| | |
|---|--|
| A 105N - ASTM A 105N - 09/ ASME SA105N -13 NACE-MR-01-75/09 | FORGED/ROLLED 1150-1200 GRADES CELSIUS |
|---|--|

NORMAS Y GRADOS

TRATAMIENTO TERMICO

| ASME BOILER AND PRESSURE VESSEL SECC II, CODE PART A, EDITION 2013- ADENDA 2011 DE LA NORMA ASME | | | NORMALIZED 900 GRADES CELSIUS AND ALLOWED TO COOL IN STILL AIR | | | | |
|--|----------|---------------------------------|--|--------|--------|--|--|
| PARTIDA | CANTIDAD | DESCRIPCION DEL PRODUCTO | NORMAS APLICABLES | MEDIDA | COLADA | | |
| 01 | 5 | BRIDA A.C. S.O R.F. 150LBS 64MM | ASTM A-105-09 ASME SA-105-13 ASME B16.5 NACE MR-0175-09 ASME-SA-105-13 FULLY KILLED NACE MR-0103 | 2-1/2" | GFP | | |
| 02 | 1 | BRIDA A.C. THD R.F. 150LBS 64MM | | 2-1/2" | GFP | | |
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PRUEBAS MECANICAS

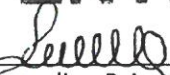
| COLADA | LIMITE LASTICO(P.S.I.) | CEDENCIA (P.S.I.) | ELONGACION 2% | REDUCCION DE AREA % | DUREZA HB | | | | | | |
|--------|------------------------|-------------------|---------------|---------------------|-----------|--|--|--|--|--|--|
| GFP | 85254 | 43564 | 26 | 39 | 179 | | | | | | |
| GFP | 85254 | 43564 | 26 | 39 | 179 | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

% COMPOSICION QUIMICA

| COLADA | C | MN | SI | P | S | CR | Ni | MO | CU | SN | AL | NB | V | Ti | AS | SE | BIEN | OPPM | CEQ | CR+M | 1) |
|--------|------|------|------|-------|------|-------|-------|-------|-------|----|----|-------|-------|----|----|----|------|------|------|------|------|
| GFP | 0.31 | 0.81 | 0.21 | 0.006 | 0.02 | 0.063 | 0.074 | 0.020 | 0.190 | | | 0.001 | 0.003 | | | | | | 0.34 | | 0.35 |
| GFP | 0.31 | 0.81 | 0.21 | 0.006 | 0.02 | 0.063 | 0.074 | 0.020 | 0.190 | | | 0.001 | 0.003 | | | | | 0.34 | | | 0.35 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

NOTA 1) CR+NI+MO+CU


MACEROS FORJADOS DE IZCALLI S.A. DE C.V.
 06 ABR 2016
 Tel.: 5870 5003 F-5870 8406
 macerosforjados@prodigy.net.mx

ENTREGADO

 Ing. Bernardino B. Aguas
 APROBADO

CERTIFICAMOS QUE EL MATERIAL AQUÍ DESCRITO, CUMPLE CON TODOS LOS ESTANDARES DE CALIDAD MENCIONADOS. MATERIAL CALMADO GRANO FINO TRATADO CON CALCIO Y DESGASIFICADO AL VACIO ULTIMA EDICION.- INSPECCION 100% UT

Martha Hernandez
 ELABORO

CC-01 REV1.0