



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

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| CERTIFICADO DE CALIDAD EN 10204 - 3.1B | | CERTIFICADO No. 2969 | |
| CLIENTE PLESA ANAHUAC Y CIAS S.A. DE C.V. | | FECHA: 12-abr-18 | |
| | | No. DE ORDEN DE COMPRA | REF |
| | | 26747 | 3727 |

ESPECIFICACIONES

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| A 105N - ASTM A 105N - 14/ ASME SA105N B31.3 -15 NACE-MR-01-75/15 B16.5-13 | FORGED/ROLLED 1150-1200 GRADES CELSIUS |
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NORMAS Y GRADOS

TRATAMIENTO TERMICO

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| ASME BOILER AND PRESSURE VESSEL SECC II, CODE PART A, EDITION 2015- ADENDA 2013 DE LA NORMA ASME | NORMALIZED 900 GRADES CELSIUS AND ALLOWED TO COOL IN STILL AIR |
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| PARTIDA | CANTIDAD | DESCRIPCION DEL PRODUCTO | NORMAS APLICABLES | MEDIDA | COLADA |
|---------|----------|-----------------------------------|---|--------|--------|
| 01 | 9 | BRIDA A.C. S.O RF 300LBS DE 203MM | ASTM A-105N-14 SA-105 ASME SECC.II PARTE A ED.2015 ASME/ANSI B16.5 2013 NACE MR-0175-15 FULLY KILLED | 8" | 9813 |
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PRUEBAS MECANICAS

| COLADA | TENSILE (Psi.) | YIELD (Psi.) | ELONG 30 MIN.% | R/AREA 2 IN. % | HARDNESS HB 137-187 |
|--------|----------------|--------------|----------------|----------------|---------------------|
| 9813 | 74670 | 51276 | 33 | 68 | 149 |
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% COMPOSICION QUIMICA

| COLADA | C | MN | SI | P | S | CR | NI | MO | CU | SN | AL | NB | V | TI | CO | AS | SB | HPP M | NPPM | CEQ | CR+M O | 1) |
|--------|------|------|------|-------|------|-------|-------|-------|-------|----|----|-------|-------|----|----|----|----|-------|------|------|--------|------|
| 9813 | 0.16 | 0.87 | 0.25 | 0.006 | 0.01 | 0.050 | 0.080 | 0.021 | 0.230 | | | 0.001 | 0.001 | | | | | | | 0.34 | | 0.38 |
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MACEROS FORJADOS DE IZCALLI S.A. DE C.V.
 12 ABR 2018

NOTA 1) CR+NI+Mo+Cu

CERTIFICAMOS QUE EL MATERIAL AQUÍ DESCRITO, CUMPLE CON TODOS LOS ESTANDARES DE CALIDAD MENSIONADOS. MATERIAL CALMADO GRANO FINO TRATADO EN SECOS Y RESACOS. Tel 5870-5003 y 5870-8406 macerosforjados@prodigy.net.mx

ENTREGADO
 Ing. Bernardino B Aguas
 APROBADO

CC-01 REV.1.0

Martha Hernandez
 ELABORÓ