



Management System
ISO 9001:2015
www.tuv.com
ID: 910502371

Certificado de Calidad

IT020305 rev.01

N° NN-20810

Industrias Nelson
Av. Rivadavia 12140 – Ciudadela – Buenos Aires
info@industriasnelson.com.ar / www.industriasnelson.com.ar
T.E. 0800-333-4237

| | Descripción | Código | Lote |
|----------------------------------|--------------------|-----------|--------|
| 1 | TEE MACHO 3/8" NPS | 101SM06 | AZ-320 |
| Componentes | | Material | Lote |
| TEE FORJADA DE REDONDO DE 25.4mm | | AISI 316L | AZ-320 |

Protocolo de ensayo :

| Tipo | | Presión de trabajo | Estado | Presión de prueba | Estado | Tiempo |
|------------|---|--------------------|--------|-------------------|--------|-------------|
| Hidráulico | 1 | 5.000 PSI | Ok | 8.000 PSI | Ok | 60 segundos |

Dimensional:

Se controlaron las roscas con el calibre correspondientes dando como resultado satisfactorio. Se controlaron también la rugosidad superficial y las dimensiones generales dando un resultado satisfactorio.

Visual/Funcional:

Se controlaron la porosidad, rebabas, ensamblado, terminación superficial y su función mecánica dando como resultado: satisfactorio

Observaciones :

Se certifica que las piezas descritas fueron construidas de acuerdo a lo indicado en nuestros estándares internos, que se cumplen de acuerdo a un sistema de Gestión de Calidad certificado ISO 9001:2015, manteniendo en archivo los certificados correspondientes a cada material.

Firma: **INDUSTRIAS NELSON S.A.**



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CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2015 CERTIFICATE No. 04 100 011022

Admin Office : 504, Sukh Sagar, N S Patker Marg, Chowpatty, Mumbai

400 007, India. Tel. : (+91) 22 66290600 Fax : (+91) 22 66290633/34.

Website : http://chandansteel.net

Email : exports@chandansteel.net

L/c. No.: 688-41

L/c. Date:

Works : Plot # 31 to 36, 45 to 49/2, 142 (Exp. Area), G.I.D.C. Umbergaon

Dist. - Valsad, Gujarat - 396171 India. & Survey No. 102/2 & 102/3,

Village - Dehri, Taluka - Umbergaon, District - Valsad, Gujarat - 396170,

India. Tel. : (+91) 260 7128999 Fax : (+91) 260 2560103.

GSTIN - 24AAAACC4713B1ZG

F860(824) QC 09/00/11.01.2018

MILL TEST CERTIFICATE

INSPECTION CERTIFICATE 3.1 ACCORDING TO EN 10204 : 2005

| | | | | | | | | | | | |
|--|-------------------------------|------------|-----------------------------|---|------------|-----------------|-------------------|----------|----------|----|---|
| Consignee Majdalani Inox S.A. RUTA PANAMERICANA KM 31,200, COLECTORA OESTE (1617) EL TALAR, BUENOS AIRES ARGENTINA | | | | Test Certificate No. : EXP/22-23/00024-25 Date of Issue : 09.04.2022 P.O. No. : 30240 SC_No. & Date : 21-22/0373, Dt.29.11.2021 Invoice No. & Date : EXP/22-23/00024, Dt.09.04.2022 | | | | | | | |
| PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS | | | | LENGTH | | | | Net Wt. | | | |
| | | | | Ordered | | Actual | | 537 Kgs. | | | |
| | | | | 6.0 - 6.1 Mtrs. | | 6.0 - 6.1 Mtrs. | | | | | |
| Heat No. | Grade AISI | Size mm | Tolerance | Process Route | | | | | | | |
| CH-15695 | 304 | 25.40 mm | h9 | Electric Melting, A.O.D. Refining, Continuous Casting | | | | | | | |
| CHEMICAL COMPOSITION (Weight %) | | | | | | | | | | | |
| | C | Si | Mn | P | S | Cr | Mo | Ni | Cu | Ti | N |
| Min. | - | - | - | - | - | 18.00 | - | 8.00 | - | - | - |
| Max. | 0.080 | 1.00 | 2.00 | 0.045 | 0.030 | 20.00 | - | 11.00 | - | - | - |
| Results | 0.022 | 0.50 | 1.61 | 0.037 | 0.015 | 18.02 | - | 8.08 | - | - | - |
| MECHANICAL PROPERTIES | | | | | | | | | | | |
| Specified | Yield Strength | | Tensile Strength | | Elongation | | Reduction of area | | Hardness | | |
| Value | N/mm ² /MPa(Rp0.2) | | N/mm ² /MPa (Rm) | | % | | % | | (HB) | | |
| Min. | 205 | | 515 | | 30 | | 40 | | - | | |
| Max. | - | | - | | - | | - | | - | | |
| Results | 331 | | 642 | | 48 | | 68 | | 202-205 | | |
| Remarks: | | | | | | | | | | | |
| 1. Cold drawn & Centreless Ground. | | | | 2. Solution annealed at 1050 °C. | | | | | | | |
| 3. PMI test done 100% & found Satisfactory. | | | | | | | | | | | |
| 4. Material is free from radio-active contamination. | | | | | | | | | | | |
| 5. The material conforms to ASTM A276/A276M-17 specifications. | | | | | | | | | | | |
| 6. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin. | | | | | | | | | | | |
| BUNDLE NO.: 7 | | | | COLOUR : YELLOW | | | | | | | |



It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

B. S. RAUTELA
MANAGER - QUALITY ASSURANCE