



Certificado de Calidad

IT020305 rev.01

N° NN-20792

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

| | Descripción | Código | Cantidad | Certificado |
|---|---------------------------------------|-----------|-------------|-------------|
| 1 | ADAPTADOR TUBULAR 1/4"OD X 3/8 " NPTH | 23S0604 | | AA-766 |
| | Componentes | Material | Certificado | |
| | BARRA HEXAGONAL 22.2mm | AISI 316L | AA-766 | |

Protocolo de ensayo :

| Tipo | | Presión de trabajo | Estado | Presión de prueba | Estado | Tiempo |
|------------|---|--------------------|--------|-------------------|--------|-------------|
| Hidráulico | 1 | 4.500 PSI | Ok | 8.000 PSI | Ok | 60 segundos |

Dimensional:

Se controlaron los pasos 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: los cuerpos comprendidos dentro de las pruebas hidráulicas fueron ensamblados con virolas, tuercas y tubo de nuestra propia comercialización.

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.**





CHANDAN STEEL LIMITED
(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2015 CERTIFICATE No. 04 100 011022

ADM. OFFICE: 504, SUKH SAGAR, N. S. PATKAR MARG, MUMBAI 400 007, INDIA

Tel.: 91-22- 66290600. Fax.: 91-22-66290633/34

Website : www.chandansteel.net

Email : csl@chandansteel.net

L/c. No.:

L/c. Date:

WORKS:PLOT NO. 31 TO 36 ,45,46,48, & 49/2,142

(EXP. AREA)GIDC, UMBERERGAON & SURVEY NO. 102/2 & 3,VILLAGE,

DEHARI, TALUKA:UMBERGAON, DIST:VALSAD, GUJARAT -396171

GSTIN - 24AAACC4713B1ZG

602-16
602-17

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/00718 - 09/2021-2022 Date of Issue : 27.08.2021 P.O. No. : - SC_No. & Date : 20-21/0552, Dt.26.03.2021 Invoice No. & Date : EXP/00718/2021-22, Dt.27.08.2021 | | | | | | | |
| PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS | | | | LENGTH | | | | Net Wt. | | | |
| | | | | Ordered | | Actual | | 1821 Kgs. | | | |
| | | | | 6.0 - 6.1 Mtrs. | | 6.0 - 6.1 Mtrs. | | | | | |
| Heat No. | Grade AISI | Size mm/inches | Tolerance | Process Route Electric Melting, A.O.D. Refining, Continuous Casting | | | | | | | |
| CH-14445 | 316L | 22.22 mm (Hex) | h11 | | | | | | | | |
| CHEMICAL COMPOSITION (Weight %) | | | | | | | | | | | |
| | C | Si | Mn | P | S | Cr | Mo | Ni | Cu | Ti | N |
| Min. | - | - | - | - | - | 16.00 | 2.00 | 10.00 | - | - | - |
| Max. | 0.030 | 1.00 | 2.00 | 0.045 | 0.030 | 18.00 | 3.00 | 14.00 | - | - | - |
| Results | 0.027 | 0.53 | 1.77 | 0.041 | 0.016 | 16.80 | 2.02 | 10.08 | - | - | - |
| 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. | 170 | | 485 | | 30 | | 40 | | - | | |
| Max. | - | | - | | - | | - | | - | | |
| Results | 554 | | 768 | | 35 | | 67 | | 234-237 | | |
| Remarks: | | | | | | | | | | | |
| 1. Cold drawn & Polished. 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.: 26 & 27 | | | | COLOUR : LIGHT GREEN | | | | | | | |



B. S. RAUTELA

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MANAGER - QUALITY ASSURANCE

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