



Certificado de Calidad

IT020305 rev.01

N° NN-20769

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

| Item | Descripción | Código | Certificado |
|-------------------------|------------------------------------|-----------|-------------|
| 1 | CONECTOR RECTO 1/4" JIC X 1/4" NPT | 68SX0404 | AA-767 |
| Componentes | | Material | Certificado |
| BARRA HEXAGONAL 14.2 mm | | AISI 316I | AA-767 |

Protocolo de ensayo :

| Tipo | Presión de trabajo | Estado | Presión de prueba | Estado | Tiempo |
|------------|--------------------|--------|-------------------|--------|-------------|
| Hidráulico | 1 | Ok | 9.000 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: 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, SUKHI 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:

601-01
 601-02
 601-03

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

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 - 01/2021-2022 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 6.0 - 6.1 Mtrs. | | Actual 6.0 - 6.1 Mtrs. | | 1982 Kgs. | | |
| Heat No. CH-14969 | | Grade AISI 316L | Size mm/inches 14.30 mm (Hex) | | Tolerance h11 | | Process Route Electric Melting, A.O.D. Refining, Continuous Casting | | | | |
| 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 | 0.019 | 0.43 | 1.77 | 0.036 | 0.007 | 16.75 | 2.05 | 10.02 | - | - | - |
| 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 | 675 | | 798 | | 35 | | 66 | | 244-247 | | |
| 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.: 40 to 42 | | | | | COLOUR : LIGHT GREEN | | | | | | |



[Signature]

B. S. RAUTELA
 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.