



Management System
ISO 9001:2015
www.iso.com
ID: 9160023711

Certificado de Calidad

IT020305 rev.01

N° NN-20080

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

	Descripción	Código	Certificado
	CONECTOR CODO ½" OD X ½" NPT	69S0808	AA-737
Componentes	Material	Certificado	
CONECTOR CODO ½" OD X ½" NPT Tuerca 61S08 Juego de Virolas 60S08	AISI 316L AISI 316L AISI 316L	AA-737 AA-761 AZ-291 / AZ-297	

Protocolo de ensayo :

Tipo		Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	6.000 PSI	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 conectores comprendidos dentro del certificados, son probados con tuercas, virolas y caño 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.**



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CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2015 CERTIFICATE No. 04 100 011022

ADM. OFFICE: 504, SUKH SAGAR, N. S. PALKAR 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, UMBERGAON & 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/00039 - 45/2019-2020 Date of Issue : 03.04.2019 P.O. No. :- SC_No. & Date : 18-19/0484, Dt.13.12.2018 Invoice No. & Date : EXP/00039/2019-20, Dt.03.04.2019						
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS					LENGTH				Net Wt.		
					Ordered		Actual		1042 Kgs.		
6.0 - 6.05 Mtrs.		6.0 - 6.05 Mtrs.									
Heat No.	Grade	Size	Tolerance		Process Route						
CH-9809	AISI 316L	mm/inches 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.	-	-	-	-	-	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	0.50	1.72	0.044	0.009	16.70	2.05	10.03	-	-	-
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	317		637		48		74		205-208		
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.											
7. No welding/weld repairs was performed on this material.											
BUNDLE NO.: 21 & 22						COLOUR : LIGHT GREEN					

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

VIKAS PROFILES LTD.

A 2-271

Regd. & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@vikas.com
Work: SURVEY No- 114,119 & 120, VILL. Mahagaon, Tal: Palgarh Dist: Thane-401501, MAHARASTRA, INDIA, veldge@vikas.com

TEST CERTIFICATE

CUSTOMER	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
APERNAM STAINLESS SERVICES & SOLUTIONS ARGENTINA S A AVDA. DESCARTES 4200 B1667AYP TORUUGITAS BUENOS AIRES, ARGENTINA.	APE-03/2015	62/991117/2	100005370129	16.06.2015
			GRADE	HEAT No
			AISI 316L	37042

BUNDLE NO :
1100359167,

38249

DESCRIPTION
STAINLESS STEEL BRIGHT BARS

COLD DRAWN & POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
17200 MM	ROUND	h9	6.00 - 6.20	51	0.538 TO

CHEMICAL ANALYSIS

%C	%Mn	%SI	%S	%P	%Cr	%Ni	%Cu	%Mo	%Cb	%N2
0.0180	1.540	0.390	0.0270	0.0360	16.780	10.050	0.430	2.010	0.180	0.0800

TEST RESULTS

0.2% yield strength MPa	Tensile Strength MPa	Elongation %	Reduction Of Area %	Hardness HUN
642.0	728.0	40.0	70.0	216.0

SPECIFICATION:

MATERIAL CONFIRMS TO ASTM A 276-13 COND A,
INTERGRANULAR CORROSION TEST SATISFACTORY AS PER ASTM A262-10 PRACTICE E.
CERTIFIED AS PER EN 10204-3.1.

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS.
MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 01 HOUR IN WATER QUENCHED.
WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR
K R K MURTHY



AZ-297

VIRAJ PROFILES LIMITED (SRM Division)
Works: SURVEY NO. - 25/1, 25/2, 26 & 34, Village- MAAN, Taluka- PALGHAR, Dist. - THANE, MAHARASHTRA -401 506, INDIA,
e-mail - viedgc@viraj.com

(A02) INSPECTION CERTIFICATE & MILL TEST REPORT

(A06)CUSTOMER :	Manufacturer's Symbol (A04)	(A03)MTR NO.	1035543/15
JORVICAL ACEROS S.A.	(Z02) DATE	(Z02) DATE	25.02.2018
CATAMARCA, 1527	MATERIAL SPEC.	(B02) GRADE	AISI 316L
B1824ESI-LANUS OESTE	DIMENSIONAL SPEC.	H9	
PROVINCIA DE BUENOS AIRES			

(B01) : STAINLESS STEEL BRIGHT BARS (B04) DELIVERY CONDITION : COLD DRAWN POLISHED - 2H

(A07)ORDER NO. -1-2567	(A09)Article No:	
(B09-B11)ITEM DESCRIPTION	LENGTH	(B08) PIECES(Nos)
ROUND 15.870 MM	5.00 - 5.20	128
Bundle No	I100854048	NET WEIGHT(TO)
		1.032
		(B07) HEAT NO
		48846

(C71-C92) CHEMICAL ANALYSIS											
ELEMENT	%C	%Mn	%SI	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
HEAT	0.0180	1.5000	0.3600	0.0200	0.0380	16.7800	10.0700	0.4300	2.0400	0.1700	0.0750


MECHANICAL PROPERTIES						
Inspection No.	(C12) Tensile Strength	Yield Strength		(C13) Elongation%	Reduction of Area%	Hardness
		Rp=0.2%	Rp = 1%			
100909788329	Mpa	Mpa	Mpa	Lo=5D		HBW
4.	713.00	592.00		35.00	70.00	211

(B06)Product Marking : SIZE, GRADE, HEAT NO, LOGO & INSPECTOR STAMP

MATERIAL CONFIRMS TO ASTM A276/A276M-17 COND A
INTERGRANULAR CORROSION TEST SATISFACTORY AS PER ASTM A262-15 PRACTICE E.
CERTIFIED AS PER EN 10204-3.1.

REMARKS : MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 01 HR/INCH WATER QUENCHED.
MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

We certify that the above material has been inspected and tested and complies with the order/contract and is of Indian origin


 AUTHORIZED WORKS INSPECTOR
 RADHAKRISHNA MURTHY

