



## Certificado de Calidad

IT020305 rev.01

# N° NN-20715

Industrias Nelson  
 Av. Rivadavia 12140 – Ciudadela – Buenos Aires  
[info@industriasnelson.com.ar](mailto:info@industriasnelson.com.ar) / [www.industriasnelson.com.ar](http://www.industriasnelson.com.ar)  
 T.E. 0800-333-4237

	Descripción	Código	Certificado
	CONECTOR CODO 10mm OD X 10mm OD	65SM10	AA-760
Componentes	Material	Certificado	
CODO FORJADO (REDONDO 25.4mm)	AISI 316L	AA-760	

### Protocolo de ensayo :

Tipo		Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	3.000 PSI	Ok	5.000 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.

S.A.

Firma: **INDUSTRIAS NELSON**





# 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

I/c. No.:

I/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

306-12  
306-15

F860(824) QC 09/00/11.01.2018

## MILL TEST CERTIFICATE

### INSPECTION CERTIFICATE 3.1 ACCORDING TO EN 10204 : 2005

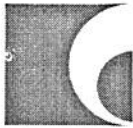
Consignee Majdalani Inox S.A. RUTA PANAMERICANA KM 31,200, COLECTORA OESTE (1617) EL TALAR, BUENOS AIRES ARGENTINA				Test Certificate No. : EXP/01315 - 12/2019-2020 Date of Issue : 31.12.2019 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.22.10.2019 Invoice No. & Date : EXP/01315/2019-20, Dt.31.12.2019							
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS				LENGTH				Net Wt.			
				Ordered		Actual		1348 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-11857	316L	25.40 mm	h9								
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	0.023	0.43	1.82	0.041	0.009	16.75	2.05	10.09	-	-	-
MECHANICAL PROPERTIES											
Specified Value	Yield Strength N/mm <sup>2</sup> /MPa (Rp0.2)		Tensile Strength N/mm <sup>2</sup> /MPa (Rm)		Elongation %	Reduction of Area %			Hardness (HB)		
Min.	170		485		30	40			-		
Max.	-		-		-	-			-		
Results	322		634		47	70			198-201		
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.: 83 & 84				COLOUR : LIGHT GREEN							



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.



# 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

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

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

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

Website : www.chandansteel.net

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L/c. No.:

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366-13  
366-14

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/01315 - 13/2019-2020 Date of Issue : 31.12.2019 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.22.10.2019 Invoice No. & Date : EXP/01315/2019-20, Dt.31.12.2019						
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS					LENGTH				Net Wt.		
					Ordered		Actual		1001 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-11841	316L	25.40 mm	h9								
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	0.023	0.37	1.80	0.040	0.015	16.92	2.02	10.06	-	-	-
MECHANICAL PROPERTIES											
Specified Value	Yield Strength N/mm <sup>2</sup> /MPa (Rp0.2)		Tensile Strength N/mm <sup>2</sup> /MPa (Rm)		Elongation %		Reduction of Area %		Hardness (HB)		
Min.	170		485		30		40		-		
Max.	-		-		-		-		-		
Results	325		630		44		65		195-198		
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.: 86 & 89					COLOUR : LIGHT GREEN						



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MANAGER - QUALITY ASSURANCE

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