



Management System
ISO 9001:2015
www.tuv.com
ID: 9168023711

Certificado de Calidad

IT020305 rev.01

N° NN-20866

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 3/4" OD X 1/2" NPT	69S1208	AA-607 / AA-727
Componentes		Material	Certificado
	CODOS FORJADOS DE BARRAS REDONDAS DE 31,7mm	AISI 316L	AA-607 / AA-727

Protocolo de ensayo :

Tipo		Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	3.000 PSI	Ok	4.000 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.**



VIRAJ PROFILES LTD.

Regi & Mkt off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com
 Works: SURVEY No- 114, 119 & 120, VILL. Mahagan, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, vielqc@viraj.com

TEST CERTIFICATE

CUSTOMER APERAM STAINLESS SERVICES & SOLUTIONS ARGENTINA S A AVDA. DESCARTES 4200 B1667AYP TORTUGITAS BUENOS AIRES, ARGENTINA.	ORDER NO APERAM-10/13	PACKING LIST NO 51/966054/12	INSPECTION NO 100003489755	DATE 29.01.2014
BUNDLE NO : 1100114140,			GRADE AISI 316L	HEAT No 31947

060

DESCRIPTION

STAINLESS STEEL BRIGHT BARS

COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
31.750 MM	ROUND	h9	6.00 - 6.20	25	0.956 TO

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0210	1.660	0.360	0.0250	0.0360	16.780	10.070	0.440	2.000	0.170	0.0780

TEST RESULTS

0.2% yield strength MPa	Tensile Strength MPa	Elongation %	Reduction Of Area %	Hardness BHN
464.0	669.0	45.0	70.0	195.0

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 HR/INCH 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.



CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

AA-727

ISO 9001:2008 CERTIFICATE No. 01100010022

ADM. OFFICE: SRI, SURKH SAGAR, N. S. PATKAR MARG, NEEMBAH 460 002, INDIA

Tel: 91-22-66296600, Fax: 91-22-66296633/34

Website : www.chandansteel.net

Email : csd@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 - 34AAACC471381ZC

144-17

F824 QC 09 / 02 / 10.12.2012

MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

Category Majdalani Inox Edificio Skyglass 2 Las Amapolas 325, 3A° Piso, Of 67 ARGENTINA				Test Certificate No.: EXP/01447 - 30/2017-2018 Date of Issue : 07.03.2018 P.O. No. :- SC No. & Date : 17-18/00446, Dt.08.11.2017 Invoice No. & Date : EXP/01447/2017-18 Dt.07.03.2018							
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS				LENGTH				Net Wt.			
				Ordered		Actual		376 Kgs.			
				6.0 - 6.05 Mtrs.		6.0 - 6.05 Mtrs.					
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route							
CH-7538	316L	31.70 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	0.48	1.70	0.045	0.008	16.68	2.01	10.05	-	-	-
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	328		637		45		67		195-198		
Remarks:											
1. Smooth Turned and 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 - 15 specifications.											
6. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin.											
BUNDLE NO.: 17				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.