



Management
System
ISO 9001:2015
www.tuv.com
ID: 9105023711

Certificado de Calidad

IT020305 rev.01

N° NN-21063

Industrias Nelson
Av. Rivadavia 12140 – Ciudadela – Buenos Aires
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Descripción	Código	Certificado
ADAPTADOR 3/4" BSPH X 1/4" NPTM	120S1204-P	AA-787
Componentes	Material	Certificado
BARRA HEXAGONAL 34.8mm	AISI 316L	AA-787

Protocolo de ensayo :

Tipo		Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	6.000 PSI	Ok	9.500 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

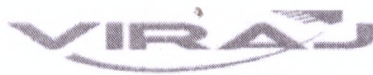
Observaciones :

Se certifica que las piezas descriptas 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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**VIRAJ PROFILES PRIVATE LIMITED (formerly, Viraj Profiles Limited)(SRM Division)**

Works: SURVEY NO.- 25/1, 25/2, 26 & 34, Village- MAAN, Taluka- PALGHAR, Dist.- PALGHAR, MAHARASHTRA -401 506, INDIA,
e-mail- vielqc@viraj.com

(A02) INSPECTION CERTIFICATE & MILL TEST REPORT (DIN EN 10204-3.1)

(A06)CUSTOMER : JORVICAL ACEROS SA CATAMARCA,1527,B1824ESI LANUS OESTE,PROVINCIA DE BUENOS AIRES Argentina	Manufacturer's	(A03)MTR NO.	910044957/1
	Symbol (A04)	(Z02) DATE	16.01.2025
		MATERIAL SPEC.	
		(B02) GRADE	AISI 316L
		DIMENSIONAL SPEC.	h11

(B01) : STAINLESS STEEL BRIGHT BARS	(B04) DELIVERY CONDITION : COLD DRAWN
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(A07)ORDER NO: 2652	(A09)Article No:
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(B09-B11)ITEM DESCRIPTION	LENGTH	(B08) PIECES(Nos)	NET WEIGHT(TO)	(B07) HEAT NO
HEXAGON 34.925 MM	5.00 - 5.20	17	0.860	EJ110

Bundle No	14000743444
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(C71-C92) CHEMICAL ANALYSIS

ELEMENT	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Ti	%Co	%N				
HEAT	0.0280	1.5400	0.3800	0.0070	0.0360	16.6500	10.0800	0.4200	2.0500	0.0010	0.2200	0.0700				

MECHANICAL PROPERTIES

INSPECTION NO.	TEST SPECIFICATION ASTM A370													
			(C03) TEST TEMP @RT	(C02) TEST DIRECTION L										
	(C12)Tensile	Proof Strength			(C13)	Reduction of Area%		Hardness						
	Strength	Rp=0.2%	Rp = 1%		Elongation%									
	MPA	MPA	MPA		Lo=4D			HBW						
	652.00	466.00			45.00	72.00		194						

METALLURGICAL PROPERTIES

(B03)COROSION TEST	MICRO OBSERVATION	
IGC TEST AS PER ASTM-A262-15 & DIN EN ISO 3651-2:1998	NO CARBIDE PRECIPITATION OBSERVED ON GRAIN BOUNDARIES	

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(B06)PRODUCT MARKING : SIZE, GRADE, HEAT NO., LOGO & INSPECTOR STAMP
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MATERIAL CONFIRMS TO ASTM A276/A276M-24 COND A,
INTERGRANULAR CORROSION TEST SATISFACTORY AS PER ASTM A262-15 PRACTICE E.
CERTIFIED AS PER EN 10204:2005-3.1.

REMARKS : MINIMUM SOLUTION ANNEALING TEMPRATURE 1050 C, SOAKING TIME 01 HR/INCH WATER QUENCHED. MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION.

Emissions data of Bright Bar Products as per ISO 14067:2018: - Emissions in MTCO2/MT of production
Stainless Steel Bright Round, Square and Hex Bars size 2 - 4 MM -1.345, sizes > 4 mm to < 40 MM -1.015, Sizes > 4 mm to < 40 MM Condition Q&T-- 1.063, Size > 40 mm to < 200 MM- 0.993, Sizes > 40 mm to 200 MM Condition Q&T- 1.089, All sizes of forged Bars -1.726 and All sizes of Flat bars-0.917"

We certify that the above material has been inspected and tested and complies with the order/Contract.
The material is manufactured in Viraj Profiles Private Limited Steel Mill and is of Indian Origin.



(Z03)Inspector's Stamp

AUTHORIZED WORKS INSPECTOR
RADHAKRISHNA MURTHY

