



Certificado de Calidad

IT020305 rev.01

N° NN-20820

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

Descripción	Código	Certificado
RACORD 1/2" MANGUERA X 3/4" NPT M	127S0808	AA-758
Componentes	Material	Certificado
RACORD 1/2" MANGUERA X 3/4" NPT M	AISI 316L	AA-758

Protocolo de ensayo :

Tipo		Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	4.000 PSI	Ok	8.000 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.





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

L/c. No.:

L/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

378-01
37802

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/01459 - 01/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered 6.0 - 6.1 Mtrs.		Actual 6.0 - 6.1 Mtrs.		1164 Kgs.			
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route							
CH-11541	316L	14.30 mm (Hex)	h11	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	0.42	1.82	0.043	0.019	16.68	2.02	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	724	832	35	66	249-252						
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.: 157 & 158				COLOUR : LIGHT GREEN							



B. S. RAUTELA
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
 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, UMBERERGAON & SURVEY NO. 102/2 & 3,VILLAGE ,
 DEHARI, TALUKA:UMBERGAON, DIST:VALSAD, GUJARAT -396171
 GSTIN - 24AAACC4713B1ZG

378-03
 378-04

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/01459 - 02/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered		Actual		1025 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-11659	316L	15.80 mm (Hex)	h11								
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	0.021	0.43	1.70	0.043	0.021	16.92	2.02	10.08	-	-	-
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	628		785		37		67		237-240		
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.: 126 & 127				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

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

Website : www.chandansteel.net

Email : csl@chandansteel.net

L/c. No.:

L/c. Date:

378-05
378-06
378-07

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/01459 - 03/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered		Actual		1987 Kgs.			
				6.0 - 6.1 Mtrs.		6.0 - 6.1 Mtrs.					
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route							
CH-11659	316L	17.40 mm (Hex)	h11	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	0.021	0.43	1.70	0.043	0.021	16.92	2.02	10.08	-	-	-
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	618		772		39		68		234-237		
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.: 138 to 140				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.



CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001 : 2015 CERTIFICATE No. 04100 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

L/c. No.:

L/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

378-08

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/01459 - 04/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered		Actual		794 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-11659	316L	20.60 mm (Hex)	h11								
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	0.021	0.43	1.70	0.043	0.021	16.92	2.02	10.08	-	-	-
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	602		764		37		67		234-237		
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.: 135				COLOUR : LIGHT GREEN							



B. S. RAUTELA
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
 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, UMBERERGAON & SURVEY NO. 102/2 & 3,VILLAGE ,
 DEHARI, TALUKA:UMBERGAON, DIST:VALSAD, GUJARAT -396171
 GSTIN - 24AAACC4713B1ZG

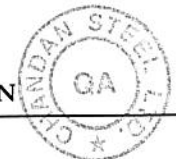
F860(824) QC 09/00/11.01.2018

378-09
 378-10
 378-11

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/01459 - 05/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered 6.0 - 6.1 Mtrs.		Actual 6.0 - 6.1 Mtrs.		1655 Kgs.			
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route Electric Melting, A.O.D. Refining, Continuous Casting							
CH-11660	316L	20.60 mm (Hex)	h11								
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	0.025	0.48	1.68	0.043	0.021	16.80	2.04	10.01	-	-	-
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	598	760	38	68	232-235						
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.: 129 to 131				COLOUR : LIGHT GREEN							



B. S. RAUTELA
 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
 Tel.: 91-22- 66290600. Fax.: 91-22-66290633/34
 Website : www.chandansteel.net
 Email : csl@chandansteel.net
 L/c. No.:
 L/c. Date:

378-12 378-15
 378-13
 378-14

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/01459 - 06/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered		Actual		3069 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-11660	316L	22.22 mm (Hex)	h11								
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	0.025	0.48	1.68	0.043	0.021	16.80	2.04	10.01	-	-	-
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	590		752		36		67		229-232		
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.: 144 to 146 & 154						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

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, UMBERERGAON & SURVEY NO. 102/2 & 3, VILLAGE,

DEHARI, TALUKA: UMBERGAON, DIST: VALSAD, GUJARAT - 396171

GSTIN - 24AAACC4713B1ZG

378-16

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/01459 - 07/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered 6.0 - 6.1 Mtrs.		Actual 6.0 - 6.1 Mtrs.		575 Kgs.			
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route Electric Melting, A.O.D. Refining, Continuous Casting							
CH-12114	316L	22.22 mm (Hex)	h11								
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	0.026	0.45	1.72	0.036	0.005	16.65	2.11	10.08	-	-	-
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	594		758		37		66		234-237		
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.: 159				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
 Tel.: 91-22- 66290600. Fax.: 91-22-66290633/34
 Website : www.chandansteel.net
 Email : csl@chandansteel.net

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

378-17

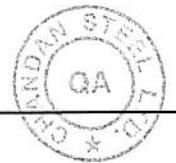
L/c. No.:
 L/c. Date:

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/01459 - 08/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020					
PRODUCT DESCRIPTION						LENGTH		Net Wt.			
STAINLESS STEEL HEXAGONAL BARS						Ordered	Actual	852 Kgs.			
						6.0 - 6.1 Mtrs.	6.0 - 6.1 Mtrs.				
Heat No.	Grade AISI	Size mm/inches		Tolerance		Process Route					
CH-11884	316L	27.00 mm (Hex)		h11		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	0.026	0.41	1.70	0.040	0.022	16.82	2.04	10.06	-	-	-
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	540		728		38		68		229-232		
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.: 132						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

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

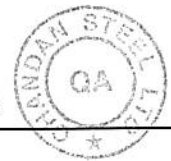
378-18

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/01459 - 09/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL HEXAGONAL BARS				LENGTH				Net Wt.			
				Ordered		Actual		782 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-11884	316L	28.00 mm (Hex)	h11								
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	0.026	0.41	1.70	0.040	0.022	16.82	2.04	10.06	-	-	-
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	574		788		43		65		237-240		
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.: 134				COLOUR : LIGHT GREEN							



B. S. RAUTELA

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

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, UMBERERGAON & SURVEY NO. 102/2 & 3, VILLAGE,

DEHARI, TALUKA: UMBERGAON, DIST: VALSAD, GUJARAT - 396171

GSTIN - 24AAACC4713B1ZG

378-19

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/01459 - 10/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020							
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS				LENGTH				Net Wt.			
				Ordered		Actual		998 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-11650	304L	7.00 mm	h9								
CHEMICAL COMPOSITION (Weight %)											
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-
Max.	0.030	1.00	2.00	0.045	0.030	20.00	-	12.00	-	-	-
Results	0.028	0.44	1.76	0.042	0.016	18.05	-	8.07	-	-	-
MECHANICAL PROPERTIES											
Specified Value	Yield Strength N/mm ² /MPa (Rp0.2)		Tensile Strength N/mm ² /MPa (Rm)		Elongation %		Reduction of Area %		Hardness (HB)		
Min.	310		620		30		40		-		
Max.	-		-		-		-		-		
Results	624		741		38		68		234-237		
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.: 142				COLOUR : YELLOW							



COLOUR : YELLOW

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

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

378-20

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/01459 - 11/2019-2020 Date of Issue : 31.01.2020 P.O. No. : 30131 SC_No. & Date : 19-20/0463, Dt.10.12.2019 Invoice No. & Date : EXP/01459/2019-20, Dt.31.01.2020						
PRODUCT DESCRIPTION					LENGTH			Net Wt.			
STAINLESS STEEL ROUND BARS					Ordered		Actual		546 Kgs.		
					6.0 - 6.1 Mtrs.		6.0 - 6.1 Mtrs.				
Heat No.	Grade AISI	Size mm/inches	Tolerance		Process Route						
CH-11457	304L	14.30 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.	-	-	-	-	-	18.00	-	8.00	-	-	-
Max.	0.030	1.00	2.00	0.045	0.030	20.00	-	12.00	-	-	-
Results	0.022	0.43	1.82	0.042	0.023	18.05	-	8.03	-	-	-
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	525		728		39		68		222-225		
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.											
BUNDLE NO.: 143					COLOUR: YELLOW						



B.S. RAUTEELA
 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.