



Management System
ISO 9001:2015
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ID: 910502071

Certificado de Calidad

IT020305 rev.01

N° NN-20717

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	Descripción	Código	Cantidad	Certificado
	NIPLE LARGO ¾" X 250mm	11SC12X10		CS-035
	Componentes	Material	Certificado	
	NIPLE LARGO ¾" X 250mm	AISI 316	CS-035	

Protocolo de ensayo :

Tipo	Presión de trabajo	Estado	Presión de prueba	Estado	Tiempo
Hidráulico	1	Ok	482 kg/cm2	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 9001:2000, manteniendo en archivo los certificados correspondientes a cada material.

S.A.

Firma: INDUSTRIAS NELSON

BAOFENG STEEL GROUP CO., LTD

MILL TEST CERTIFICATE



EN 10204 3.1 ISO9001+PED2014/68/EU L/C NO.:CDI001250558000 Product: STAINLESS STEEL SEAMLESS PIPES
 PO Number:5000007884 L/C DATE:211015 Certificate No:20211222-2
 Client: FAMIQ SRL Issuing date : Dec 22nd,2021

Item	Heat No	Grade	Size (mm)	Pieces PCS	Quantity (m)	Net Weight (kg)	CHEMICAL COMPOSITION %										Delivery condition	Executive standards
							C	Si	Mn	P	S	Cr	Ni	Mo	Ti			
1	N210917AS11	316L	26.6*5.54*6000	1	6	17	0.014	0.38	0.97	0.034	0.001	16.30	10.02	2.03	/	Annealed & pickled	ASTMA312-17	
2	N210826AS08	304L	33.4*2.77*6000	144	864	1743	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		
3	N210826AS08	304L	33.4*3.38*6000	68	408	988	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		
4	N210917AS11	316L	33.4*4.55*6000	4	24	77	0.014	0.38	0.97	0.034	0.001	16.30	10.02	2.03	/	Annealed & pickled	ASTMA312-17	
5	N210826AS08	304L	48.3*2.77*6000	57	342	1102	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		
6	N210917AS11	316L	48.3*2.77*6000	15	90	280	0.014	0.38	0.97	0.034	0.001	16.30	10.02	2.03	/	Annealed & pickled	ASTMA312-17	
7	N210826AS08	304L	48.3*3.68*6000	9	54	220	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		
8	N210917AS11	316L	48.3*3.68*6000	23	138	544	0.014	0.38	0.97	0.034	0.001	16.30	10.02	2.03	/	Annealed & pickled	ASTMA312-17	
9	N210826AS08	304L	48.3*5.08*6000	1	6	33	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		
10	N210826AS08	304L	60.3*2.77*6000	65	390	1553	0.022	0.33	1.31	0.037	0.003	18.17	8.06	/	Annealed & pickled	ASTMA312-17		

Dimensions tolerance quality

OK

Item	Mechanical property				Process property						Intergranular Corrosion Test
	Yield point σ_s (Mpa) ≥ 170	Tensile Strength σ_s (Mpa) ≥ 485	Ductile δ % Longi. ≥ 35	Hardenstate HRB ≤ 90	Ultrasonic Test ASTM E213	Eddy-current Testing ASTM E426	Hydrostatic Test ASTM A999	Flaring Test A999/A370M	Flattening Test A999/A999M		
1	322	582	53	78	/	/	Satisfactory	GOOD	GOOD	GOOD	ASTM A 262 Practice E
2	322	594	56	77	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
3	293	582	55	78	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
4	310	588	57	76	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
5	288	576	56	74	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
6	293	576	58	79	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
7	276	612	56	80	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
8	283	592	57	76	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
9	279	616	53	76	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD
10	291	608	56	79	/	/	Satisfactory	GOOD	GOOD	GOOD	GOOD



Spring Line Seal

Judge:

- Remarks:
1. Pipes tested per ASTM A999
 2. No weld repair performed for billet and pipe
 3. All tubes annealed to 1904°F to 1994°F and water quenched below 800°F in 3 minutes

NOTE: WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH THE RESPECTIVE STANDARD AND SATISFIES THE REQUIREMENTS.

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