



INSPECTION CERTIFICATE

SUPERINOX MAX FITTINGS INDUSTRY SDN
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APPROVED	
date	04-01-2019
FAB	signature

EN 10204/3.1

Client		SC/SP-013371		PO No.		1469		Certificate No		20171111 -27	
Contract No.		SC/SP-013371		PO No.		1469		Delivery Conditions		Solution Annealed, pickled and passivated	
Product		STAINLESS STEEL COLD FORMED BUTT WELD FITTINGS		Specification		ASTM A403-16/ ASME SA403-15		ASME B16.9-2012			
Item	Quantity	Size	Description	Grade	Heat No.	Heat treatment	Quenching				
144	3	6"X4"	SCH10S Reducing Tees	WP316/316L-S	161201V10	1050°C	RWQ				
145	5	6"X4"	SCH40S Reducing Tees	WP316/316L-S	151225V02	1050°C	RWQ				
146	5	8"X6"	SCH40S Reducing Tees	WP316/316L-S	170114S06	1050°C	RWQ				
147	30	4"	SCH10S 45 Degree Elbows Long Radius	WP316/316L-S	161201V10	1050°C	RWQ				
151	100	1"	SCH10S Equal Tees	WP316/316L-S	151106S01	1050°C	RWQ				
Chemical Composition (%)											
Heat No.	C	Mn	P	S	Si	Cr	Ni	Mo			
161201V10	0.022	0.90	0.029	0.002	0.32	16.35	10.05	2.05			
151225V02	0.019	0.96	0.030	0.005	0.41	16.28	10.03	2.04			
170114S06	0.017	0.94	0.037	0.001	0.43	16.20	10.04	2.03			
161201V10	0.022	0.90	0.029	0.002	0.32	16.35	10.05	2.05			
151106S01	0.015	0.93	0.035	0.002	0.42	16.24	10.03	2.01			
Mechanical Properties					NACE MR0175	IC Test	Impact Test	Non-destructive Test	PMI	Visual	Dimensional
Heat No.	TS(MPa)	YS Rp0.2(MPa)	EL(%)	Hardness	ASTM A262E			RT			
161201V10	610	272	81	HRB≤90	OK	OK	N/A	N/A	OK	OK	OK
151225V02	560	238	54	HRB≤90	OK	OK	N/A	N/A	OK	OK	OK
170114S06	560	237	58	HRB≤90	OK	OK	N/A	N/A	OK	OK	OK
161201V10	576	268	57	HRB≤90	OK	OK	N/A	N/A	OK	OK	OK
151106S01	580	249	58	HRB≤90	OK	OK	N/A	N/A	OK	OK	OK
MARKINGS: SUPERINOX ASTM/ASME A/SA403 GRADE NPS SCH HEAT NO. SONG MALAYSIA											
1. Materials have been manufactured in complete accordance with the purchasers order						 Date: 11-Nov-17					
2. Free of weld repair as per ASTM A 980 Supplementary Requirement S66											
3. Free of mercury											
4. Free of radiation											
5. 100% PMI test											
6. Complies with NACE MR0103, NACE MR0175, ISO 15156											
7. we confirm that all materials are supplied free from mercury and radiation contamination as per asme											
SECTION II PART A2010.											

FABRAP | ACADEMY

Breng het certificaat in het systeem (Certificatenbestand)
Het systeem zal het certificaat een volgnummer geven.

De FABRAP Trainer zal een volgnummer voor het Charge-nummer toewijzen.
b.v.; Charge-nummer/ Heat No.: 12345FR01- vnr

Order : SNL-01417427
Index : 180404B2200
Ref. :
Artikel: 4" S 10S N ELB LR 45 A403 316(L)*
Levering: 0085461752/000270
Hoeveelh: 2 ST
Charge: 161201V10
Dit document is automatisch gereproduceerd en identiek aan het origineel

APPROVED

date 04-01-2019

FAB

signature



ZHEJIANG STELLAR PIPE INDUSTRY CO., LTD

XIAOZHI INDUSTRIAL PARK, WENXI TOWN, DINGYUAN COUNTY, LISHUI CITY, ZHEJIANG, CHINA, 323300

MILL TEST CERTIFICATES to EN 10204/3.1 PED 97/23

PED Certificate no.:331/2007/MUC

Customer : SUPERINOX MAX FITTINGS INDUSTRY SDN. BHD.

Contract No. GJDB201702-7-1-3

Specification: ASTM A312-2015

Steel Grade TP316L-8

Goods: STAINLESS STEEL SEAMLESS PIPE

Order No.

Cert No.

ST170125-06

Delivery Condition

Solution Treated

Appearance

Pickling

Heat No.		Chemical Composition (%)											
		C	Si	Mn	P	S	Cr	Ni	Mo	Ti			
Spec.	Min.						16.00	10.00	2.00				
	Max.	0.030	1.00	2.00	0.045	0.030	16.00	14.00	3.00				
Ladle Analysis		0.022	0.32	0.90	0.026	0.002	16.35	10.05	2.05				
Product Analysis		0.025	0.34	0.93	0.026	0.004	16.37	10.09	2.08				
Batch No.		Size		Quantity						Visual Examination			
2T161226-05		114.3*3.05		25 PCS		1370 KGS		/		OK			
Test No.		Mechanical Properties											
		Tensile Strength	Proof Strength	Elongation		Flattening Test	Ring Tensile Test	Orbit Expanding Test	Ring Expanding Test	Hardness Test	Grain Size No.		
		MPa	RP0.2	A(%)									
Spec.	Min. Max	485	170	35						80			
L4		576	268	57		GOOD	/	/	/	73	/		
Leak Tightness Test			Non-destructive Testing			Intergranular Corrosion Test							
Hydrostatic Test		Eddy Current Test		Ultrasonic Test			Acc to ASTM A262-E						
Acc to ASTM A989			Acc to ASTM E426		Acc to ASTM E213								
/			GOOD		/			GOOD					

Additional Remarks:

1. Country of Origin: China 2. 100% PMI 3. No weld repair
 4. Solution Temperature: 1050°C. Hold 30 minutes. Rapid Water Cooling. 5. Hardness Acc. to NACE MR 0133 / NACE MR 0175
 6. Melting process by EAF+AOD refining

We hereby certify that the material described above has been tested and complies with the terms of the Contract & the specification, and we confirm that P.M. has been done.

Mar/14/2017

Date

浙江泰明钢管有限公司
 ZHEJIANG STELLAR PIPE INDUSTRY CO., LTD.
 质量检验专用章
 SPECIAL INSPECTION QUALITY CONTROL