

Order : SNL-01417427

Index : 180710B8500

Ref. :

Artikel: 4X 3" S 10S N CRED A403 316(L)*

Levering: 0085461752/000200

Hoeveel: 4 ST

Charge: 170118S11

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PED CERT NO: DGR-0036-QS-W 580/2013/MJC

File No: TL/ZJ19-01

Suzhou Yuli Pipeline Industry Co., Ltd

Mill Test Certificates

337 Chang'an Road, Youyi Industr. Wujiang, Jiangsu

Certificate: EN10204/3.1

Certificate-NO: MC-TYF-SA18020903-11

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L/C NO: NLHM0016494

Customer: VAN LEEUWEN STAINLESS B.V.
 Order No.: 3477831
 Description: Stainless steel seamless butt weld fittings
 Specification: ANSI B16.9-2012
 Material: ASTM A403-2012/ASME SA403-2011
WP-S 316/316L
 Workmanship: Cold forming
 Heat Treatment: Solution annealed at: 1040°C and duration: 30 minutes
minimum and water quenched
 Melting Process: Electric Arc Furnace

Marking:

- Manufacture's Mark
- Dimension & Schedule
- Material S(Seamless) or W(Welded)
- Heat Number & Standard
- Inspector Stamp

Extend of material delivery:

Item No.	Description	Dimension	Quantity	Heat No.	Base Cert.No.	Remarks
180209030026	RED CON	4"×10S/21/2"×10S	15	170118S11	ST170613-10	
180209030027	RED CON	4"×10S/3"×10S	25	170118S11	ST170613-10	
180209030028	RED CON	4"×40S/3"×40S	5	170118S11	ST170602-02	
180209030029	RED CON	6"×10S/3"×10S	5	170118S11	ST170617-02	
180209030030	RED CON	6"×10S/4"×10S	20	170118S11	ST170617-02	

Inspection Results (The requirements are fulfilled as listed in Annex):

A. Chemical Analysis:

Heat No.	C%	Mn%	Si%	S%	P%	Cr%	Ni%	Mo%	Cu%	Ti%
180209030026	0.016	0.95	0.38	0.005	0.031	16.38	10.14	2.11	/	/
180209030027	0.016	0.95	0.38	0.005	0.031	16.38	10.14	2.11	/	/
180209030028	0.016	0.95	0.38	0.005	0.031	16.38	10.14	2.11	/	/
180209030029	0.016	0.95	0.38	0.005	0.031	16.38	10.14	2.11	/	/
180209030030	0.016	0.95	0.38	0.005	0.031	16.38	10.14	2.11	/	/

B. Mechanical Properties & Tensile Inspection :

Heat No.	Yield Strength		Tensile Strength	Elongation 4D	Hardness	Impact test by 20°C			
	0.2%	1%				1	2	3	
180209030026	272	/	576	57	133	/	/	/	
180209030027	272	/	576	57	133	/	/	/	
180209030028	265	/	575	55	133	190	205	200	
180209030029	270	/	575	56	133	190	205	200	
180209030030	270	/	575	56	133	190	205	200	

C. Inspection and Related Data Verify:

Dimensional check	OK	Hydrostatic pressure test	/
Surface quality inspection	OK	Radiography Examination	/
Penetration examination	OK	IC to ASTM A262 "E"	OK
100%PMI	OK	NACE MR0175-2001/ISO15156-2009 NACE MR0103-2010	OK

D. Remarks:

- 1.No weld repair.
- 2.We certify that the material was found to be free of mercury contamination. Every heat, dimension and batch has been tested for radioactivity and has been found within the limit of background radiation. The material described in the certificate has been tested in accordance with the order/contract and it is of Chinese origin.
3. Manufacture confirms yield stress values according to ASME section II, part D table Y1

QA Engineer :

Date:

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ZHEJIANG STELLAR PIPE INDUSTRY CO.,LTD

XIAOZHI INDUSTRIAL PARK, WENXI TOWN, QINGTIAN COUNTY, LISHUI CITY, ZHEJIANG, CHINA, 323900

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

PED Certificate no.:331/2007/MUC

Customer : SUZHOU YULI PIPELINE INDUSTRY CO.,LTD

Contract No. : T17ZWL0519-01

Specification : ASTM A312-2015

Steel Grade : TP316/316L

Goods : STAINLESS STEEL SEAMLESS PIPE

Order No. :

Cert No. : ST170613-10

Delivery Condition : Solution Treated

Appearance : Pickling

Heat No.		Chemical Composition (%)									
		C	Si	Mn	P	S	Cr	Ni	Mo	Ti	N
Spc.	Min.						16.00	10.00	2.00		
	Max.	0.035	1.00	2.00	0.045	0.030	18.00	14.00	3.00		
Ladle Analysis		0.016	0.38	0.95	0.031	0.005	16.38	10.14	2.11		
Product Analysis		0.013	0.36	0.94	0.032	0.004	16.36	10.15	2.12		
Batch No.		Size		Quantity						Visual Examination	
2T170529-17		114.3*3.2*3000-8000		50 PCS		2657 KGS				OK	
Mechanical Properties (Acc to ASTM A370)											
Test No.		Tensile Strength	Proof Strength MPa	Elongation	Flattening Test	Ring Tensile Test	Drift Expanding Test	Ring Expanding Test	Hardness Test	Grain Size No.	
		MPa	Rp0.2	A(%)					HRB	E112	
Spec.	Min.	515	205	35					90		
	Max.										
L1		576	272	57	GOOD	/	/	/	75	/	
<div style="text-align: center;"> <p>材料责任人审核专用章</p> <p>签字: (signature) 日期: 2017.06.16</p> </div>											
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 0103					
<p>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.T has been done.</p> <p style="text-align: center;">JUN/13/2017 Date</p> <div style="text-align: right;"> <p>浙江泰朗钢管有限公司 ZHEJIANG STELLAR PIPE INDUSTRY CO., LTD. 质量技术总监 Quality Technology Director</p> </div>											

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