

Order : SNL-01417427

Index : 180412BB000

Ref. :

Artikel: 4" S 10S N A312 (C)316L* EHL

Levering: 0085461744/000040

Hoeveelh: 201,020 M

Charge: FK5599-02

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TUBES COMPANY PVT. LTD.

A NORSOK APPROVED & DNV APPROVAL OF MANUFACTURER, AN ISO 9001:2008, ISO 14001:2004,

BS OHSAS 18001:2007, PED & ADW / AD - 2000 - W0 Certified Company

MFG. & EXPORTER OF STAINLESS STEEL SEAMLESS & WELDED PIPES / TUBES / U-TUBES

GOVT. RECOGNISED EXPORT HOUSE

CIN : U27106GJ2006PTC049217

INSPECTION CERTIFICATE AS PER EN 10204 - 3.1

T.C.NO :- MTCPL/2017-18/0604A8

DATE :- 17.03.2018

CUSTOMER NAME :- M/s VAN LEEUWEN STAINLESS BV

P.O.NO. :- 3472254

DATE :- 10.10.2017

O.A.NO. :- 2017/10/10158_AP/EXP

DATE :- 13.10.2017

PRODUCT :- AUSTENITIC S.S. SEAMLESS PIPE (COLD FINISHED, SOLUTION ANNEALED & PICKLED) - MELTING PROCESS:- E.A.F.+A.O.D.

MAT.SPEC. :- ASTM A 312-17, TP 316L, SA 312 OF ASME SEC-II, PART-A, EDITION 2017, ASTM/ASME A/SA 999/999M,

EN 10216-5, TC-1, GRADE 1.4401/1.4404, NACE MR 0175/ISO 15156-3 : 2015, NACE MR 0103/ISO 17495-1 : 2016,

VAN LEEUWEN SPECIFICATION No :- 022.005 DATE:- 14.05.2014 & PED 2014/68/EU.

W.O. SR. NO.	HEAT NO.	DIMENSIONS	NO. OF PCS	TOTAL METER
43	FK5599-02	4" NB X SCH 10s X 5 TO 6 MTR RL	15	85.740

CHEMICAL TEST %												
SR. NO.	HEAT NO.	S	C	Si	Mn	P	S	Ni	Cr	Mo	N	Ti
			0.030	1.000	2.000	0.040	0.015	10.000	16.500	2.000	0.100	--
		MAX	MAX	MAX	MAX	MAX	13.000	18.000	2.500	MAX	--	
43	FK5599-02	H	0.025	0.410	1.050	0.032	0.005	10.150	16.560	2.030	0.012	--
		P1	0.024	0.436	1.025	0.030	0.006	10.187	16.598	2.035	0.011	--
		P2	0.023	0.428	1.034	0.031	0.004	10.196	16.587	2.046	0.010	--

MECHANICAL TESTS												
SR. NO.	TENSILE STRENGTH Rm N/mm ²	YIELD STRENGTH Rp 0.2% N/mm ²	YIELD STRENGTH Rp 1.0% N/mm ²	ELON. A%, G.L.=5.65√A, G.W= 12.70 MM	ELON. A%, G.L= 50MM, G.W= 12.70 MM	HARDNESS TEST MAX	FLARING TEST	FLANGE TEST	RING EXPANSION TEST	FLATTENING TEST	RING TENSILE TEST	OTHER TEST
REQ.	515 - 690	205 MIN	240 MIN	L=40% (MIN)	L=35%(MIN)	90 HRB	--	--	--	--	--	--
43	611.00	289.00	329.00	54.00	58	75-77	N.A	N.A	OK	OK	N.A	N.A
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REMARKS :-

MARKING ON PRODUCT :- MAXIM S.S. SEAMLESS PIPE, SIZE, SPECN, GRADE, HEAT NO, (O.A.No/Sr.No.)

TREATMENT :- SOLUTION ANNEALED AT TEMP. BETWEEN 1050°C TO 1070 °C AND FOLLOWED BY RAPID COOLING IN WATER.

HYDRO TEST PRESSURE :- 850 psi(g), (WATER USED HAVING CHLORIDE CONTENT LESS THAN 10 ppm & HOLDING TIME 10 SEC. MIN)

EDDY CURRENT TEST :- N.A

[1] I.G.C TEST ACCORDANCE TO ASTM A 262, PRACTICE "E" CONDUCTED BY MTCPL - FOUND SATISFACTORY.

[2] MECHANICAL TEST CARRIED OUT BY MTCPL - FOUND SATISFACTORY.

[3] PRODUCT ANALYSIS CARRIED OUT BY MTCPL - FOUND SATISFACTORY.

[4] 100% HYDRO TEST CARRIED OUT BY MTCPL - FOUND SATISFACTORY.

[5] 100 % PMI TEST CARRIED OUT BY MTCPL - FOUND SATISFACTORY.

[6] 100% DIMENSION AND VISUAL CHECKED BY MTCPL - FOUND SATISFACTORY.

[7] MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION.

[8] APPROVED ACC. TO AD2000-MERKBLATT W0 AND CERTIFIED ACCORDING TO PED 2014/68/EU ANNEX-I SEC 4.3 BY CERTIFICATION BODY-

FOR PRESSURE EQUIPMENT OF TUV NORD SYSTEMS (REG. NO. 0045), MTCPL CERTIFICATE NO. 07-202-1409 WZ-1680/15.

NOTE :- SPECIFICATION, PRODUCT ANALYSIS, HEAT ANALYSIS, G.L= GAUGE LENGTH, G.W= GAUGE WIDTH, L= LONGITUDINAL, T= TRANSVERSE, N= NOT VERIFIABLE.

INSPECTOR'S/SURVEYOR'S SIGN	P.O. ITEM :- COMPLETE	MANAGER (Q.A.)	WORKS INSPECTOR (Q.A.)
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WE HEREBY CERTIFY THAT THE MATERIAL IS AS PER SIZE & SPECIFICATION MENTIONED IN ORDER, ALL TEST RESULT ARE ACCEPTABLE.

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