

Order : 843449  
Index : 181205B7800  
Ref. : 757990

Delivery: 0085564238/000010  
Quantity: 504,000 M


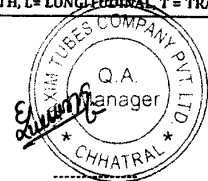
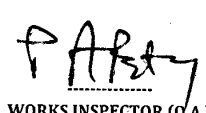
Article: 20X 2,5 S A269/A213M D4/T3 316(L)\* 6 Heat : 1803-346  
stock, subject to prior sales

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TUBES COMPANY PVT. LTD.

A NORSOK APPROVED & DNV APPROVAL OF MANUFACTURER, AN ISO 9001:2015, ISO 14001:2015,  
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 - 3.2												F/QAC/12-REV.01	
CUSTOMER NAME :- M/s VAN LEEUWEN STAINLESS BV												T.C.NO :- MTCPL/2018-19/0376A15	
P.O. NO. :- 3479014												DATE :- 23.02.2018	
O.A.NO. :- 2018/02/10317_BA/EXP												DATE :- 24.02.2018	
QAP.NO. :- 10317/EXP_2 REV.00												DATE :- 10.09.2018	
PRODUCT :- AUSTENITIC S. S. SEAMLESS (POLISHED GRIT-240) TUBE (COLD FINISHED, BRIGHT ANNEALED)-MELTING PROCESS:- E.A.F.+A.O.D.													
MAT.SPEC. :- ASTM A 269-15a, ASTM A 213/213M-17, TP 316/316L, SA 213 OF ASME SEC-II, PART-A, EDITION 2017, ASTM/ASME A/SA 1016/1016M, EN 10216-5, TC-1, GRADE 1.4401/1.4404, EN ISO 1127 D4/T3, NACE MR 0175/ISO 15156-3: 2015, NACE MR 0103/ISO 17495-1: 2016, VAN LEEUWEN NEW SPECIFICATION FOR TUBE & PED 2014/68/EU, AD 2000, W2: 2016.													
W.O. SR. NO.	HEAT NO.	DIMENSIONS									NO. OF PCS	TOTAL METER	
16	1803-346	20.00 MM OD X 2.50 MM THK X 6000 MM LONG									300	1800.000	
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	--	
16	1803-346	H	0.023	0.320	1.170	0.032	0.002	10.180	16.590	2.050	0.012	--	
		P	0.021	0.350	1.196	0.031	0.004	10.217	16.588	2.049	0.012	--	
MECHANICAL TESTS													
SR. NO.	TENSILE STRENGTH Rm N/mm <sup>2</sup>	YIELD STRENGTH Rp 0.2% N/mm <sup>2</sup>	YIELD STRENGTH Rp 1.0% N/mm <sup>2</sup>	ELON. A%, G.L.=5.65/A, G.W= FULL SPECIMEN	ELON. A%, G.L.= 50MM, G.W= FULL SPECIMEN	HARDNESS TEST MAX	FLARING TEST	FLANGE TEST	RING EXPANSION TEST	FLATTENING TEST	RING TENSILE TEST	OTHER TEST	
REQ.	530 - 690	276 MIN	--	L=40% MIN	L=35%(MIN)	85 HRB	--	--	--	--	--	--	
16	617.00	335.00	362.00	64	60	72-73	OK	N.A	OK	OK	N.A	N.A	
	610.00	328.00	358.00	64	60								
REMARKS:-													
MARKING ON PRODUCT :- MAXIM S.S. SEAMLESS (POLISHED GRIT-240) TUBE, SIZE, SPECN, GRADE, HEAT NO. (O.A.No & SR.No)													
HEAT TREATMENT :- BRIGHT ANNEALED AT TEMP. BETWEEN 1050°C TO 1070 °C AND FOLLOWED BY INDIRECT WATER QUENCHING.													
HYDRO TEST PRESSURE :- 1000psi(g), (WATER USED HAVING CHLORIDE CONTENT LESS THAN 10 ppm & HOLDING TIME 10 SEC. MIN)													
EDDY CURRENT TEST :- ACCORDING TO ASTM E 426/ A/SA 1016													
[1] I.G.C TEST ACCORDANCE TO ASTM A 262, PRACTICE "E" CONDUCTED BY MTCPL & REPORT REVIEWED BY DNV GL - FOUND SATISFACTORY.													
[2] MECHANICAL TEST CARRIED OUT BY MTCPL & REPORT REVIEWED BY DNV GL - FOUND SATISFACTORY.													
[3] PRODUCT ANALYSIS CARRIED OUT BY MTCPL & REPORT REVIEWED BY DNV GL - FOUND SATISFACTORY.													
[4] 100% EDDY CURRENT TEST CARRIED OUT BY MTCPL & REPORT REVIEWED BY DNV GL - FOUND SATISFACTORY.													
[5] 100% HYDRO TEST CARRIED OUT BY MTCPL & REPORT REVIEWED BY DNV GL - FOUND SATISFACTORY.													
[6] 100 % PMI TEST CARRIED OUT BY MTCPL & 10% WITNESSED BY DNV GL- FOUND SATISFACTORY.													
[7] 100% DIMENSION AND VISUAL CHECKED BY MTCPL & 10% WITNESSED BY DNV GL - FOUND SATISFACTORY.													
[8] MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION.													
[9] 10% WITNESSED TUBES ARE DOUBLE STAMPED AS " " AND BALANCE TUBES ARE SINGLE STAMPED(ELECTRO-ETCHED)-FOR IDENTIFICATION.													
[10] 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/WP/1680/18 & 07/202/1409/WZ/1680/18.													
NOTE: S= SPECIFICATION, P= PRODUCT ANALYSIS, H= HEAT ANALYSIS, G.L.= GAUGE LENGTH, G.W= GAUGE WIDTH, L= LONGITUDINAL, T= TRANSVERSE, N.A = NOT APPLICABLE.													
 INSPECTOR'S/SURVEYOR'S SIGN Date: _____ Sign: _____				P.O. ITEM :- COMPLETE				 MANAGER (Q.A.)				 WORKS INSPECTOR (Q.A.)	
WE HEREBY CERTIFY THAT THE MATERIAL IS AS PER SIZE & SPECIFICATION MENTIONED IN ORDER, ALL TEST RESULT ARE ACCEPTABLE.													

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