

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	--			
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	--			
		MAX	MAX	MAX	MAX	MAX	13.000	18.000	2.500	MAX	--				
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= 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.															
 Date: _____ Sign: _____ INSPECTOR'S/SURVEYOR'S 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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