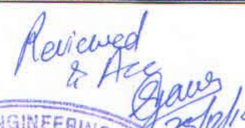




TEST CERTIFICATE

FORMAT	TEST CERTIFICATE										FROM:-	SCODA TUBES LTD
											TO :-	PADM INDUSTRIES
											ACCORDING:-	ASME 2007 EDITION
											FORMAT NO :-	F/QA-D7-RO
REF.	QA NO & DATE	I01/2010 DATE:- 17/11/2010					T.C. NO & DATE	QA-07-058 DATE:-25/12/2010				
	CUSTOMER	PADM INDUSTRIES					INSPECTION BY	E.E.E.				
	PD NO & DATE	PI/PD/I0-II/11/2 DATE:-17/11/2010					ITP NO.	65/2010 DATE:-25/11/2010				
	PRODUCT	STAINLESS STEEL SEAMLESS, SOLUTION ANNEALED, CONFORMING TO SPECIFICATION SA-213 ASME SEC.II PART A EDITION 2007 ADD.2008										
PRODUCT	PO.ITEM NO	TYPE	GRADE	SPEC.	HEAT NO	SIZE			PO.QTY	QTY MTR	PO.STATUS	
						OD (MM)	THK (MM)	LENGTH (MM)				
	1	SEAMLESS	TP-316	SA-213	06-192	12.7	2.0	3100	360	1116.00	COMPLETE	
	2	SEAMLESS	TP-316	SA-213	06-192	12.7	2.0	3250	48	156.00	COMPLETE	
3	SEAMLESS	TP-316	SA-213	06-192	12.7	2.0	3350	16	53.60	COMPLETE		
CHEMICAL ANALYSIS	HEAT NO	CHEMISTRY	C %	Si %	Mn %	P %	S %	Ni %	Cr %	Mo%	N	Ti
		REQUIRED	0.080	1.000	2.000	0.040	0.030	10 to 14	16 to 18	2.0 to 3.0	N.A	N.A
	06-192	H	0.026	0.540	1.220	0.032	0.006	10.290	16.310	2.090
		P	0.014	0.480	0.780	0.035	0.003	10.090	16.970	2.110
MECHANICAL TEST	TENSILE TEST	Y.S.	U.T.S	ELONGATION %	HARDNESS	FLARE TEST	FLATTENING TEST	FLANGE TEST	R.BEND TEST	HYDRO TEST		
		(Mpa)	(Mpa)	(G.L: 50 mm)	TEST(HRB)						PRESSURE (1000 PSig)	
	REQUIRED	205	515	35%	90	OK	OK	N.A.	N.A.	OK		
	(Min)	(Min)	(Min)	(Max)								
06-192	288	629	58%									
	283	634	62%									
REMARKS	1. Heat Treatment :- Solution Annealed at Temperature above 1040 C.											
	2. 100% Hydro Test Carried out by Scoda & 100% Witnessed by E.E.E. :- Found Satisfactory											
	3. Mechanical Test Witnessed by E.E.E :- Found within limit											
	4. Micro and Macro Test Witnessed by E.E.E :- Found Satisfactory.											
5. Product analysis report reviewed by E.E.E :- Found within limit												
6. 100% P.M.I. Witnessed by E.E.E :- Found within limit.												
7. 100% VDI Checked by Scoda & 100% VDI Checked by E.E.E :- Found Satisfactory.												
8. Marking on Products "Scoda Tubes SIZE SPEC GRADE HEAT NO												
ABBREVIATION: H - Heat Analysis, P - Product Test, RL- Random Length, N/A- Not Applicable												
APPROVED BY	 											
	 AGM [QA/QC]											

WE HEREBY CERTIFY THAT THE MATERIAL IS AS PER SIZE & SPECIFICATION MENTIONED IN ORDER

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