


ISMT LIMITED

Solutions You Can Trust

TEST CERTIFICATE ACC TO EN: 10204: 3.1				Format No. QFB-QU-14/R-02										
Customer :				Test Certificate No. :EU335765		Date: 18-JAN-2023								
Consignee :				W.O. No. :QFSU199739		Date: 18-JAN-2023								
				Invoice No. :EAU2256882		Date: 18-JAN-2023								
				Pre Shipment Invoice No. : PCMU571660										
P.O.No : PO-43474				Date: 08-NOV-2022		LC : HACH791334IM								
Customer Item : ITEM NO. 7 SEAMLESS TUBE 4" X SCH.40 . PO NO. 23.095														
Specification : ASTM A53M 20 Grade B/ASTM A106/A106M-19a Grade B/ASME BPVC SA 53/SA 53M Grade B/SA 106/SA 106M Grade B SECTION II, PART A Edition 2021/API 5L Grade B PSL-1/X42 PSL-1 (FORTY-SIXTH EDITION)														
Product : HOT FINISHED SEAMLESS STEEL PIPE				Bearing No. / Part No.:		NA								
Ends : BEVELLED ENDS						Batch Number : BUL734								
Heat Number : 8454N				Steel Grade : BS 3059		Manufacturing Route: EAF LRF VD CCM(Fully killed)								
Steel Supplier: ISMT STEEL, JERURU, PUNE														
Dimensions		Tolerance		Tolerance Inch		Quantity								
MM	Inch	+Ve	-Ve UOM	+Ve	-Ve	Number	Meter / Feet							
OD : 114.300	4.500	0.800	-0.800 MM	0.0315	-0.0315	100	609.600 / 2000.000							
ID : 97.180	3.826	0.000	0.000 MM	0.0000	0.0000									
WT: 8.560	0.337	10.000	-10.000 P											
				Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet										
% Chemical Composition (EL) - ASTM A751-21							Mechanical Properties : ASME SA/ASTM A370-22/ASTM E8/E8M-22/E18-22/E10-18							
EL	UOM	Min	Max	Mill	Product1	Product2	YS (ReH) PSI	U.T.S. (Rm) PSI	% E (A)	Sample	Surface Hardness	Tensile specimen Dimensions		
C	%		0.2800	0.1500	0.1510	0.1520								
Si	%	0.1000		0.2100	0.2090	0.2080								
S	%		0.0100	0.0040	0.0040	0.0040	Min	42100.00	60200.00	24.00				
P	%		0.0300	0.0120	0.0120	0.0130	Max							
Mn	%	0.2900	1.3000	1.0100	1.0100	1.0100	I	48286.41	68596.56	37.56	P	L	134 - 135	Strip 19.32 8.5
Ni	%		0.4000	0.0800	0.0800	0.0800	Tensile strength at ambient temperature							
Cr	%		0.4000	0.0700	0.0700	0.0700	Abbreviations : P:Pipe Body, U:Upset, T:Transverse, L:Longitudinal							
Mo	%		0.1500	0.0250	0.0250	0.0260								
Cu	%		0.4000	0.2000	0.1980	0.1970								
Sn	%			0.0110	0.0110	0.0100								
Al	%			0.0270	0.0270	0.0280								
Ti	%		0.1500	0.0021	0.0021	0.0022								
V	%		0.0600	0.0023	0.0023	0.0023								
Az	%			0.0068	0.0068	0.0067								
Ca	%			0.0011	0.0011	0.0012								
B	%		0.0010	0.0004	0.0004	0.0005								
Ph	%		0.0000	0.0000	0.0000	0.0000								
CE	%			0.3565	0.3573	0.3585								
Ultrasonic Test (ASTM E213-22)							:Ok							
Type of reference indicator used :														
Notch Orientation		Notch		Notch		Notch		Notch		Notch		Drill Hole		
		Depth	UOM	Length	UOM	Width	UOM	Notch Type			Dim	UOM		
Longitudinal ID		0.9800	mm	60.0000	mm	2.1000	mm	N NOTCH						
Longitudinal OD		0.8500	mm	50.0000	mm	0.4000	mm	N NOTCH						
Flattening Test (As Per Specn.)							:Ok							
Hydrostatic Test (As Per Specn)							:Ok		2970 PSI		Test Duration: 5 Second Minimum			
Remarks :														

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	Pre Shipment Invoice No. : PCMU571660		
Remarks :			
I. NO WELD REPAIR PERFORMED.			
We hereby certify that the material has been manufactured, sampled, tested and inspected in accordance with Specification and Purchase order referred above and has been found to meet the requirements.			
			
S.S.WAGHMODE EXECUTIVE Authorized signatory			