

# ISMT LIMITED

Solutions You Can Trust

<b>TEST CERTIFICATE ACC TO EN: 10204: 3.1</b>				<b>Format No. QFB-QU-14/R-02</b>			
Customer :				Test Certificate No. :EV337346		Date: 10-FEB-2024	
Consignee :				W.O. No. :QFSV207794		Date: 10-FEB-2024	
				Invoice No. :EAV2356644		Date: 10-FEB-2024	
				Pre Shipment Invoice No. : PCMV572972			
P.O.No :EGSI -1116.				Date: 10-JAN-2024			
Customer Item : - ASTM/ASME A106B & API 5L B X42 PSL1, 3" X SCH 80 X 20 FT LONG							
Specification : ASTM A106/A106M-19a Grade B/ASME BPVC SA-106/SA 106M/ Grade B SECTION II, PART A Edition 2023/API 5L Grade X42 PSL-1 (FORTY-SIXTH EDITION)							
Product : HOT FINISHED SEAMLESS STEEL PIPE							
Ends : PLAIN ENDS				Bearing No. / Part No.: NA			
Heat Number : 5213P				Steel Grade : BS 3059		Batch Number : BVA699	
Steel Supplier: ISMT STEEL, JEJURI, PUNE				Manufacturing Route: FAF-LRF-VD-CCM(Fully killed)			
Dimensions		Tolerance		Tolerance Inch		Quantity	
MM	Inch	+Ve	-Ve	UOM	+Ve	-Ve	
OD :	88.900	3.500	0.670	-0.670	MM	0.0264	-0.0264
ID :	73.660	2.900	0.000	0.000	P		
WT:	7.620	0.300	10.000	-10.000	P		
						Number	
						Meter / Feet	
						Weight	
						24	
						146.304 / 480.023	
						2.310 Ton	
						Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet	
<b>% Chemical Composition (EL) – ASTM A751-21</b>				<b>Mechanical Properties : ASME SA/ASTM A370-23/ASTM E8/E8M-22/E18-22/E10-23</b>			
EL.	UOM	Min	Max	Mill	Product1	Product2	
C	%		0.2800	0.1300	0.1300	0.1300	
Si	%	0.1000		0.2300	0.2300	0.2200	
S	%		0.0300	0.0030	0.0030	0.0030	
P	%		0.0300	0.0100	0.0100	0.0100	
Mn	%	0.2900	1.0600	1.0200	1.0100	1.0100	
Ni	%		0.4000	0.0500	0.0500	0.0500	
Cr	%		0.4000	0.1250	0.1230	0.1240	
Mo	%		0.1500	0.0250	0.0250	0.0240	
Cu	%		0.4000	0.1100	0.1100	0.1100	
Sn	%			0.0070	0.0070	0.0071	
Al	%			0.0320	0.0320	0.0310	
Ti	%		0.1500	0.0024	0.0023	0.0023	
V	%		0.0800	0.0022	0.0022	0.0022	
As	%			0.0037	0.0037	0.0036	
Ca	%			0.0009	0.0008	0.0008	
B	%			0.0003	0.0003	0.0002	
Nb	%		0.1500	0.0030	0.0030	0.0040	
CE	%			0.3411	0.3390	0.3390	
				Tensile strength at ambient temperature			
				Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal			
				YS (ReH) psi			
				U.T.S. (Rm) psi			
				% E (A) 50.00 mm			
				Sample Location Orientation			
				Tensile specimen Dimensions			
				Type			
				Width (mm)			
				WT (mm)			
				Min 42100.00 60200.00 25.00			
				Max			
				I 46295.21 72081.15 42.24 P L Strip 25.4 7.36			
Ultrasonic Test (ASTM E213-22) :Ok							
Type of reference indicator used :							
Notch Orientation	Notch		Notch		Notch		Notch Type
	Depth	UOM	Length	UOM	Width	UOM	
Longitudinal ID	0.7600	mm	50.0000	mm	0.4000	mm	N NOTCH
Longitudinal OD	0.7600	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							
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							

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 <b>S.S. WAGHMODE</b> <b>SENIOR OFFICER</b> <b>Authorized signatory</b>			