

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. :EV337348		Date: 11-FEB-2024								
Consignee :				W.O. No. :QFSV207786		Date: 11-FEB-2024								
				Invoice No. :EAV2356646		Date: 11-FEB-2024								
				Pre Shipment Invoice No. : PCMV572973										
P.O.No : EGS1-1116.				Date: 10-JAN-2024										
Customer Item : - ASTM/ASME A106B & API 5L X42 FSL1, 2" X SCH 40 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-I (FORTY-SIXTH EDITION)														
Product : HOT FINISHED SEAMLESS STEEL PIPE														
Ends : PLAIN ENDS				Bearing No. / Part No.: NA										
Heat Number : 5357P				Steel Grade : BS 3059		Batch Number : BVA965								
Steel Supplier: ISMT STEEL, JEJURI, PUNE				Manufacturing Route: EAF-LRF-VD-CCM(Fully killed)										
Dimensions		Tolerance		Tolerance Inch		Quantity								
MM	Inch	+Ve	-Ve	UOM	+Ve	-Ve								
OD :	60.300	2.374	0.450	-0.450	MM	0.0177	-0.0177							
ID :	52.480	2.066	0.000	0.000	MM	0.0000	0.0000							
WT :	3.910	0.154	10.000	-10.000	P									
				Number		Meter / Feet								
				220		1341.120 / 4400.215								
				Weight		7.530 Ton								
				Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet										
% Chemical Composition (EL) – ASTM A751-21				Mechanical Properties : ASME SA/ASTM A370-23/ASTM E8/E8M-22/E18-22/E10-23										
EL.	UOM	Min	Max	Mill	Product1	Product2	YS (ReH) psi	U.T.S. (Rm) psi	% E (A)	Sample	Tensile specimen Dimensions			
C	%		0.2800	0.1500	0.1480	0.1490								
Si	%	0.1000		0.2600	0.2600	0.2500								
S	%		0.0300	0.0020	0.0020	0.0030	Min	42100.00	60200.00	21.00				
P	%		0.0300	0.0130	0.0130	0.0130	Max							
Mn	%	0.2900	1.0600	1.0300	1.0200	1.0300	I	49936.25	68852.57	36.26	P	L	Strip	19.45 4.02
Ni	%		0.4000	0.0400	0.0400	0.0400	Tensile strength at ambient temperature							
Cr	%		0.4000	0.1100	0.1000	0.1000	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal							
Mo	%		0.1500	0.0150	0.0150	0.0140								
Cu	%		0.4000	0.1000	0.1000	0.1000								
Sn	%			0.0090	0.0080	0.0078								
Al	%			0.0300	0.0300	0.0300								
Ti	%		0.1500	0.0025	0.0024	0.0024								
V	%		0.0800	0.0025	0.0025	0.0024								
As	%			0.0040	0.0040	0.0040								
Ca	%			0.0005	0.0005	0.0004								
B	%			0.0004	0.0004	0.0003								
Nb	%		0.1500	0.0025	0.0025	0.0029								
CE	%			0.3565	0.3508	0.3533								
Ultrasonic Test (ASTM E213-22)								:Ok						
Type of reference indicator used :														
Notch Orientation	Notch		Notch		Notch		Notch Type	Drill Hole						
	Depth	UOM	Length	UOM	Width	UOM		Dia	UOM					
Longitudinal ID	0.3900	mm	50.0000	mm	0.4000	mm	NNOTCH							
Longitudinal OD	0.3900	mm	50.0000	mm	0.4000	mm	NNOTCH							
Bend 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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 S.S. WACHMODE SENIOR OFFICER Authorized signatory			