


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. :EU335772		Date: 18-JAN-2023																																							
Consignee :				W.O. No. :QFSU199733		Date: 18-JAN-2023																																							
				Invoice No. :EAU2256886		Date: 18-JAN-2023																																							
				Pre Shipment Invoice No. : PCMU571663																																									
P.O.No : PO-43474				Date: 08-NOV-2022		LC : HAC11791334IM																																							
Customer Item : ITEM NO.1 SEAMLESS TUBE 1.5" X SCH 80, PO NO : 25.095																																													
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 : PLAIN ENDS				Batch Number : BUA117																																									
Heat Number : 0110P				Steel Grade : BS 3059																																									
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	Number	Meter / Feet																																						
OD : 48.300	1.902	0.400	-0.400 MM	0.0157	-0.0157	444	2706.624 / 8880.433																																						
ID : 38.140	1.502	0.000	0.000 MM	0.0000	0.0000																																								
WT: 5.080	0.200	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	Product 1	Product 2																																							
C	%		0.2800	0.1400	0.1422	0.1413																																							
Si	%	0.1000		0.2300	0.2352	0.2256																																							
S	%		0.0100	0.0040	0.0042	0.0044																																							
P	%		0.0300	0.0200	0.0200	0.0210																																							
Mn	%	0.2900	1.3000	1.0300	1.0250	1.0352																																							
Ni	%		0.4000	0.0600	0.0620	0.0666																																							
Cr	%		0.4000	0.0900	0.0826	0.0789																																							
Mo	%		0.1500	0.0200	0.0220	0.0213																																							
Cu	%		0.4000	0.1900	0.1826	0.1821																																							
Sr	%			0.0130	0.0123	0.0130																																							
Al	%			0.0310	0.0330	0.0310																																							
Ti	%		0.1500	0.0022	0.0025	0.0026																																							
N	%		0.0600	0.0031	0.0031	0.0025																																							
As	%			0.0059	0.0059	0.0056																																							
Ca	%			0.0008	0.0008	0.0007																																							
B	%		0.0010	0.0005	0.0005	0.0005																																							
Nb	%		0.0600	0.0026	0.0026	0.0028																																							
CE	%			0.3510	0.3509	0.3510																																							
				Tensile strength at ambient temperature																																									
				Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Notch Orientation</th> <th colspan="2">Notch</th> <th colspan="2">Notch</th> <th colspan="2">Notch</th> <th rowspan="2">Notch Type</th> <th colspan="2">Drill Hole</th> </tr> <tr> <th>Depth</th> <th>UOM</th> <th>Length</th> <th>UOM</th> <th>Width</th> <th>UOM</th> <th>Dia</th> <th>UOM</th> </tr> </thead> <tbody> <tr> <td>Longitudinal ID</td> <td>0.5100</td> <td>mm</td> <td>50.0000</td> <td>mm</td> <td>1.0000</td> <td>mm</td> <td>N NOTCH</td> <td></td> <td></td> </tr> <tr> <td>Longitudinal OD</td> <td>0.5100</td> <td>mm</td> <td>50.0000</td> <td>mm</td> <td>1.0000</td> <td>mm</td> <td>N NOTCH</td> <td></td> <td></td> </tr> </tbody> </table>								Notch Orientation	Notch		Notch		Notch		Notch Type	Drill Hole		Depth	UOM	Length	UOM	Width	UOM	Dia	UOM	Longitudinal ID	0.5100	mm	50.0000	mm	1.0000	mm	N NOTCH			Longitudinal OD	0.5100	mm	50.0000	mm	1.0000	mm	N NOTCH		
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Ultrasonic Test (ASTM E213-22)				: Ok																																									
Bend Test (As Per Specn.)				: Ok																																									
Hydrostatic Test (As Per Specn.)				: Ok		2970 PSI		Test Duration: 5 Second Minimum																																					
Remarks :																																													

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Customer :	Test Certificate No. :EU335772	Date: 18-JAN-2023	
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	Invoice No. :EAU2256886		
	Pre Shipment Invoice No. : PCMU571663		
Remarks :			
1. 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.			
			
RAJENDRA V BHISE			
SUPERVISOR			
Authorized signatory			