


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. :EU335758		Date: 18-JAN-2023															
Consignee :				W.O. No. :QFSU199735		Date: 17-JAN-2023															
				Invoice No. :EAU2256879		Pre Shipment Invoice No. : PCMU571659															
P.O.No :PO-43474		Date: 08-NOV-2022		LC : HACH791334IM																	
Customer Item : ITEM NO. 3 SEAMLESS TUBE 2.5" X SCH. 80 PO NO. 25.695																					
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/K42 PSL-1 (FORTY-SIXTH EDITION)																					
Product : HOT FINISHED SEAMLESS STEEL PIPE				Bearing No. / Part No.: NA																	
Ends : BEVELLED ENDS				Batch Number : BUL1012																	
Heat Number : 0024P		Steel Grade : BS 3059		Manufacturing Route: EAF-LRF-VD-CCM(Fully killed)																	
Steel Supplier: ISMT STEEL, JERURI, PUNE																					
Dimensions		Tolerance		Tolerance Inch		Quantity															
MM	Inch	MM	UOM	Inch	UOM	Number	Weight														
OD : 73.000	2.874	0.550 -0.550	MM	0.0217 -0.0217		09	0.650 Ton														
ID : 58.980	2.322	0.000 0.000	MM	0.0000 0.0000																	
WT: 7.010	0.276	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	Product 1	Product 2	Yield (ksi)	Yield (MPa)	Tensile (ksi)	Tensile (MPa)	Elongation (%)	Reduction of Area (%)	Charpy (J)	Charpy (ft-lb)	Temp (°C)	Temp (°F)						
C	%		0.2800	0.1350	0.1352																
Si	%	0.1000		0.2100	0.2110																
S	%		0.0100	0.0030	0.0031																
P	%		0.0300	0.0180	0.0182																
Mn	%	0.2900	1.3000	1.0500	1.0510																
Ni	%		0.4000	0.0600	0.0620																
Cr	%		0.4000	0.0700	0.0720																
Mo	%		0.1500	0.0200	0.0220																
Cu	%		0.4000	0.1500	0.1520																
Sn	%			0.0060	0.0062																
Al	%			0.0360	0.0362																
Ti	%		0.1500	0.0022	0.0022																
V	%		0.0600	0.0026	0.0026																
As	%			0.0075	0.0074																
Ca	%			0.0007	0.0007																
B	%		0.0010	0.0005	0.0005																
Nb	%		0.0600	0.0020	0.0020																
CE	%			0.3425	0.3440																
Tensile strength at ambient temperature												Abbreviations : P: Pipe Body, U: Upset, T: Transverse, L: Longitudinal									
1												46821.46	70388.64	37.90		P	L	131 - 135	Strip	19.52	7.1
Ultrasonic Test (ASTM E213-22) :Ok																					
Type of reference indicator used :																					
Notch Orientation		Depth		Length		Width		Notch Type		Drill Size											
		UOM		UOM		UOM				UOM											
Longitudinal ID		0.7000 mm		50.0000 mm		0.4000 mm		N NOTCH													
Longitudinal OD		0.7000 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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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.			
			
SUNIL MAHADEO KHARTODE JUNIOR SUPERVISOR Authorized signatory			