


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. :EU335778	Date: 19-JAN-2023									
Consignee :		W.O. No. :HFSU199744										
		Invoice No. :EAU2256891	Date: 19-JAN-2023									
		Pre Shipment Invoice No. : PCMU571665										
P.O.No :PO-43474	Date: 08-NOV-2022	LC :HACH791334IM										
Customer Item : ITEM NO. 12 SEAMLESS TUBE 8" X SCH.40, PO NO. 25.091												
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												
Ends : BEVELLED ENDS		Bearing No. / Part No.: NA										
Heat Number : 0022P	Steel Grade : BS 3059	Batch Number : BUL982										
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 : 219.100	8.626	1.600	-0.800 MM	0.0630	-0.0315	41	249.936 / 820.040					
ID : 202.740	7.982	0.000	0.000 MM	0.0000	0.0000							
WT: 8.180	0.322	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	Yield Strength (MPa)	Yield Strength (ksi)	Tensile Strength (MPa)	Tensile Strength (ksi)	Elongation (%)	Reduction of Area (%)
C	%		0.2800	0.1300	0.1310	0.1320						
Si	%	0.1000		0.2600	0.2620	0.2610						
S	%		0.0100	0.0030	0.0031	0.0032	Min	42100.00	60200.00	25.00		
P	%		0.0300	0.0170	0.0172	0.0171	Max					
Mn	%	0.2900	1.3000	1.0300	1.0320	1.0330	1	48684.64	68610.79	37.16	P	L 135-137 Strip 25.35 8.28
Ni	%		0.4000	0.0800	0.0820	0.0810	Tensile strength at ambient temperature					
Cr	%		0.4000	0.1200	0.1220	0.1230	Abbreviations : P:Pipe Body, U:Upset, T:Transverse, L:Longitudinal					
Mo	%		0.1500	0.0300	0.0280	0.0290						
Cu	%		0.4000	0.2000	0.1980	0.1990						
Sn	%			0.0080	0.0082	0.0081						
Al	%			0.0330	0.0332	0.0331						
Ti	%		0.1500	0.0023	0.0023	0.0024						
V	%		0.0600	0.0026	0.0025	0.0026						
As	%			0.0068	0.0067	0.0068						
Ca	%			0.0012	0.0012	0.0013						
B	%		0.0010	0.0004	0.0004	0.0004						
Nb	%		0.0600	0.0020	0.0020	0.0030						
CE	%			0.3509	0.3522	0.3538						
Flattening Test (As Per Specn.)				:Ok								
Hydrostatic Test (As Per Specn.)				:Ok 2360 PSI Test Duration: 5 Second Minimum								
Leakage Flux (ASTM E570-20)				: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	1.0200	mm	50.0000	mm	0.4000	mm	N NOTCH					
Longitudinal OD	1.0200	mm	50.0000	mm	0.4000	mm	N NOTCH					
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