

**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. :EU335769      Date: 18-JAN-2023											
Consignee :				W.O. No. :QFSU199740											
				Invoice No. :EAU2256885      Date: 18 JAN-2023											
				Pre Shipment Invoice No. : PCMU571662											
P.O.No : PO-43474		Date: 08-NOV-2022		LC : HACH791334IM											
Customer Item : ITEM NO. B SEAMLESS TUBE 5" X SQ1 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/X42 PSL-1 (FORTY-SIXTH EDITION)															
Product : HOT FINISHED SEAMLESS STEEL PIPE															
Ends : BEVELLED ENDS				Bearing No. / Part No.: NA											
Heat Number : 0029P		Steel Grade : BS 3059		Batch Number : BUA67											
Steel Supplier: ISMT STEEL, JERUR, 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 : 141.300	5.563	1.060	-0.800 MM	0.0417	-0.0315	37	225.552 / 740.036								
ID : 122.240	4.813	0.000	0.000 MM	0.0000	0.0000										
WT: 9.530	0.375	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/ESM-22/E18-22/E10-15											
EL	UOM	Min	Max	Mill	Product1	Product2	YS (ReH) PSI 0.5% EL	U.T.S. (Rm) PSI	% E (A) 50.00MM	Sample		Surface Hardness HBW	Tensile specimen Dimensions		
										Location	Orientation		Type	Width (mm)	WT (mm)
C	%		0.2800	0.1300	0.1310	0.1320									
Si	%	0.1000		0.2400	0.2410	0.2420									
S	%		0.0100	0.0040	0.0040	0.0040	Min	42100.00	60200.00	26.00					
P	%		0.0300	0.0130	0.0130	0.0120	Max								
Mn	%	0.2900	1.3000	1.0500	1.0400	1.0600	1	47888.17	70274.85	36.50	P	L	137-138	Strip	25.61
Ni	%		0.4000	0.0500	0.0500	0.0500	Tensile strength at ambient temperature								
Cr	%		0.4000	0.0500	0.0500	0.0400	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal								
Mn	%		0.1500	0.0150	0.0140	0.0140									
Cu	%		0.4000	0.1600	0.1590	0.1570									
Sn	%			0.0070	0.0070	0.0070									
Al	%			0.0320	0.0320	0.0330									
Ti	%		0.1500	0.0036	0.0036	0.0037									
V	%		0.0600	0.0022	0.0022	0.0023									
As	%			0.0072	0.0072	0.0071									
Ca	%			0.0010	0.0010	0.0010									
B	%		0.0010	0.0004	0.0004	0.0005									
Nb	%		0.0600	0.0023	0.0023	0.0024									
CE	%			0.3324	0.3315	0.3337									
Bend Test (As Per Specn.)								:Ok							
Hydrostatic Test (As Per Specn.)								:Ok      2970 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	1.1500	mm	50.0000	mm	0.4000	mm	N NOTCH								
Longitudinal OD	1.1900	mm	50.0000	mm	0.4000	mm	N NOTCH								
Remarks :															

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**Remarks :**

**I. 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.

*[Faint signature and stamp area]*

**RAJENDRA V BHISE**  
SUPERVISOR  
Authorized signatory

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