



TEST CERTIFICATE ACC TO EN: 10204: 3.2						Draft Format No. QFB-QU-14/R-02										
Customer :						Test Certificate No. :TU332363			Date: 26-NOV-2022							
Consignee :						W.O. No. :QFSU198583 ✓			Invoice No. : Date:							
P.O.No :BWS22ISMT008F						Date: 14-SEP-2022										
Customer Item : ITEM SR.NO.2 SEAMLESS STEEL TUBE 1.9" X 0.200"																
Specification :ASTM A53/A53M-20 Grade BASTM A106/A106M-19a Grade B/ASME BPVC SA-53/SA-53M/SA-106/SA-106M Grade B SECTION II,PART A Edition 2021/ NACE MR 0175/NACE MR 0103																
Product : HOT FINISHED SEAMLESS STEEL PIPE						Bearing No. / Part No.: NA										
Ends : PLAIN ENDS						Batch Number : BUK401										
Heat Number : 9296N ✓						Steel Grade : ISMT-2										
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		Weight						
OD :	48.300	1.902	0.400	-0.400	MM	0.0157	-0.0157	280	1853.060 / 6079.890		10.040 Ton					
ID :	38.140	1.502	0.000	0.000	P			Length: R/ 5791.200 - 6705.600 MM, R/ 19.001 - 22.001 Feet								
WT:	5.080	0.200	10.000	-10.000	P											
% Chemical Composition (EL) – ASTM A751-21						Mechanical Properties : ASME SA/ASTM A370-21/ASTM E8/E8M-22/E18-22/E10-18										
EL.	UOM	Min	Max	Mill	Product1	Product2	YS (ReH) PSI	U.T.S. (Rm) PSI	% E (A) 50.00MM	Sample Location	Orientation	Surface Hardness HBW	Tensile specimen Dimensions			
C	%		0.3000	0.1600	0.1595	0.1599							Type	Width (mm)	WT (mm)	
Si	%	0.1000		0.2100	0.2099	0.2100	0.2% PS									
S	%		0.0350	0.0080	0.0079	0.0080	Min	35000.00	60000.00	22.00						
P	%		0.0350	0.0110	0.0110	0.0110	Max					237.00				
Mn	%	0.2900	1.0600	0.6500	0.6490	0.6500	1	45669.41	67288.07	35.04	P	L	131 - 133	Strip	19.33	5.22
Ni	%		0.4000	0.0500	0.0490	0.0500	2	46750.34	67316.51	35.12	P	L	131 - 133	Strip	19.44	5.32
Cr	%		0.4000	0.0600	0.0590	0.0600	Tensile strength at ambient temperature									
Mo	%		0.1500	0.0150	0.0149	0.0150	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal									
Cu	%		0.4000	0.1800	0.1790	0.1800	 <p>Reviewed/witnessed R.V.Bhosale 26/11/2022</p>									
Sn	%			0.0110	0.0110	0.0110										
Al	%			0.0340	0.0340	0.0339										
Ti	%			0.0019	0.0017	0.0018										
V	%		0.0800	0.0017	0.0016	0.0017										
As	%			0.0045	0.0044	0.0042										
Ca	%			0.0007	0.0006	0.0007										
B	%			0.0003	0.0002	0.0003										
Nb	%			0.0018	0.0017	0.0018										
CE	%			0.2990	0.2980	0.2989										
Bend Test (As Per Specn.)						:Ok										
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 OD	0.5100	mm	50.0000	mm	0.4000	mm	N NOTCH									
Longitudinal ID	0.5100	mm	50.0000	mm	0.4000	mm	N NOTCH									
Hydrostatic Test (As Per Specn.)						:Ok 2500 PSI ✓ Test Duration: 5 Second Minimum										
Remarks :																

Handwritten signature

ISMT LIMITED
Solutions You Can Trust

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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.



AMOL A HEGGE
JUNIOR SUPERVISOR
Authorized signatory



Reviewed/witnessed
R.V. Bhosale
26/11/2022