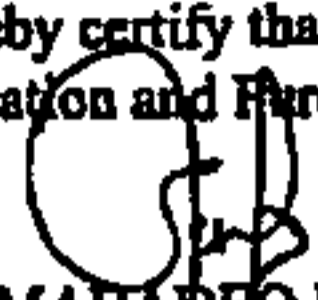


ISMT LIMITED

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TEST CERTIFICATE ACC TO EN: 10204: 3.1				Format No. QFB-QE-14R-02			
Customer :				Test Certificate No. : EU335757		Date: 18-JAN-2023	
Consignee :				W.O. No. : QFSU199734		Date: 17-JAN-2023	
P.O.No : PO-43474				Date: 08-NOV-2022		LC : HACH791334DM	
Customer Item : ITEM NO. 2 SEAMLESS TUBE 1" X SCH. 80, 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				Bearing No. / Part No.: NA			
Ends : BEVELLED ENDS				Batch Number : BUL1017			
Heat Number : 0028P				Steel Grade : BS 3059			
Steel Supplier: ISMT STEEL, JEJURI, PUNE							
Manufacturing Route: EAF-LRF-VD-CCM(Fully killed)							
Dimensions		Tolerances		Tolerances		Quantity	
MM	Inch	MM	UOM	MM	UOM	Number	Weight
OD : 60.300	2.374	0.450 -0.450	MM	0.0177	-0.0177	30	1.395 Ton
ID : 49.220	1.938	0.000	0.000	P		Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet	
WT: 5.540	0.218	10.000	-10.000	P			
% 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		
C	%		0.2800	0.1300	0.1320	0.1330	
Si	%	0.1000		0.2500	0.2520	0.2530	
S	%		0.0100	0.0050	0.0052	0.0051	
P	%		0.0300	0.0150	0.0150	0.0160	
Mn	%	0.2900	1.3000	1.0400	1.0420	1.0430	
Ni	%		0.4000	0.0600	0.0620	0.0610	
Cr	%		0.4000	0.0500	0.0520	0.0510	
Mo	%		0.1500	0.0200	0.0210	0.0220	
Cu	%		0.4000	0.1400	0.1450	0.1460	
Sb	%			0.0060	0.0062	0.0061	
Al	%			0.0350	0.0350	0.0360	
Bi	%		0.1500	0.0027	0.0027	0.0027	
V	%		0.0600	0.0026	0.0025	0.0027	
Ca	%			0.0005	0.0005	0.0006	
B	%		0.0010	0.0004	0.0005	0.0004	
Nb	%		0.0600	0.0022	0.0021	0.0022	
CE	%			0.3312	0.3346	0.3358	
				Tensile strength at ambient temperature			
				Abbreviations : P:Pipe Body, U:Upset, T:Transverse, L:Longitudinal			
				1 48969.10 70089.96 35.00 P L 133-135 Strip 19.44 5.66			
Ultrasonic Test (ASTM E213-22)				:Ok			
Type of reference indicator used :							
Notch Orientation		Notch		Notch		Drill Hole	
		Depth	UOM	Length	UOM	Depth	UOM
Longitudinal ID		0.5500	mm	50.0000	mm	0.4000	mm
Longitudinal OD		0.5500	mm	50.0000	mm	0.4000	mm
Bend Test (As Per Specn.)				:Ok			
Hydrostatic Test (As Per Specn.)				:Ok		2970 MPa Test Duration: 5 Second Minimum	
Remarks :							
1. NO WELD REPAIR PERFORMED.							

ISMT LIMITED
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TEST CERTIFICATE ACC TO EN: 10204: 3:1		Format No: QFB-QU-14R-02	
Customer :	Test Certificate No. :EU335757	Date: 18-JAN-2023	
Consignee :	W.O. No. :QFSU199734	Date: 17-JAN-2023	
	Invoice No. :EAU2256878	Pre Shipment Invoice No. : PCMU571659	
<p>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.</p>			
<p> SUNIL MAHADEO KHARTODE JUNIOR SUPERVISOR Authorized signatory</p>			