

ISMT LIMITED
Solutions You Can Trust

TEST CERTIFICATE ACC TO EN: 10204: 3.1				Format No. QFB-QU-14/R-02					
C		C.		Test Certificate No. :EU335786		Date: 23-JAN-2023			
W.O. No. :QFSU199737		Invoice No. :EAU2256898		Date: 23-JAN-2023		Pre Shipment Invoice No. : PCMU571669			
P.O.No : PO-43474		Date: 08-NOV-2022		LC : HACH791334IM					
Customer Item : ITEM NO. 5 SEAMLESS TUBE 3" X SCH. 80, PO NO. 25495									
Specification : ASTM A53M-20 Grade B/ASTM A 106/A 106M-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-I/X42 PSL-I (FORTY-SIXTH EDITION)									
Product : HOT FINISHED SEAMLESS STEEL PIPE				Bearing No. / Part No.: NA					
Ends : BEVELLED ENDS				Batch Number : BUA22					
Heat Number : 0029P		Steel Grade : BS 3059		Manufacturing Route: EAF-LRF-VD-CCM(Fully killed)					
Steel Supplier: ISMT STEEL, JEJURI, PUNE									
Dimensions		Tolerance		Tolerance Inch		Quantity			
MM	Inch	+Ve	-Ve	UOM	+Ve	-Ve	Number		
OD : 88.900	3.500	0.670	-0.670	MM	0.0264	-0.0264	18		
ID : 73.660	2.900	0.000	0.000	MM	0.0000	0.0000			
WT: 7.620	0.300	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	Product1	Product2	YS (ReH) PSI		
C	%		0.2800	0.1300	0.1310	0.1320	42100.00		
Si	%	0.1000		0.2400	0.2410	0.2420	60200.00		
S	%		0.0100	0.0040	0.0040	0.0040	24.00		
P	%		0.0300	0.0130	0.0130	0.0120			
Mn	%	0.2900	1.3000	1.0500	1.0400	1.0600	49338.89		
Ni	%		0.4000	0.0500	0.0500	0.0500	69734.39		
Cr	%		0.4000	0.0500	0.0500	0.0400	37.12		
Mo	%		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			
Tensile strength at ambient temperature									
Abbreviations : P:Pipe Body, U:Upset, T:Transverse, L:Longitudinal									
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 ID	0.7600	mm	50.0000	mm	0.4000	mm	N NOTCH		
Longitudinal OD	0.7600	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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	Pre Shipment Invoice No. : PCMU571669	

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