

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. : EU335781		Date: 23-JAN-2023						
Consignee :						W.O. No. : QFSU199734								
						Invoice No. : EAU2256896		Date: 23-JAN-2023						
						Pre Shipment Invoice No. : PCMU571669								
P.O.No : PO-43474						Date: 08-NOV-2022		LC : HACH791334IM						
Customer Item : ITEM NO. 2 SEAMLESS TUBE 2" X SCH. 40, PO NO. 23.695.														
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 : K172426						Steel Grade : BS 3059			Batch Number : BUA460					
Steel Supplier: KSL GINIGERA, KOPPAL						Manufacturing Route: EOF-LRF-VD-CCM(EMS+AMLC)-Fully Killed								
Dimensions		Tolerance		Tolerance Inch		Quantity								
MM	Inch	+Ve	-Ve	UOM	+Ve	-Ve	Number	Meter / Feet		Weight				
OD :	60.300	2.374	0.450	-0.450	MM	0.0177	-0.0177	161	981.456 / 3220.157		7.310 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	Mill	Product1	Product2	YS (ReH) (Rm) (A)	UTS (Rm) (A)	%E (A)	Sample Location	Surface Hardness HBW	Tensile specimen Dimensions		
C	%		0.2800	0.1400	0.1420	0.1430						Type	Width (mm)	WT (mm)
Si	%	0.1000		0.2680	0.2680	0.2690								
S	%		0.0100	0.0070	0.0071	0.0072	Min	42100.00	60200.00	22.00				
P	%		0.0300	0.0150	0.0150	0.0160	Max							
Mn	%	0.2900	1.3000	1.1500	1.1520	1.1530	1	47290.81	68753.02	35.30	P	L	131 - 133	Strip 19.12 5.69
Ni	%		0.4000	0.0160	0.0160	0.0150	Tensile strength at ambient temperature							
Cr	%		0.4000	0.0450	0.0450	0.0460	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal							
Mo	%		0.1500	0.0030	0.0032	0.0031								
Cu	%		0.4000	0.0130	0.0120	0.0130								
Sn	%			0.0010	0.0071	0.0072								
Al	%			0.0240	0.0240	0.0260								
Ti	%		0.1500	0.0020	0.0021	0.0022								
V	%		0.0600	0.0030	0.0032	0.0031								
As	%			0.0003	0.0002	0.0001								
Ca	%			0.0013	0.0012	0.0013								
B	%		0.0010	0.0001	0.0001	0.0002								
Nb	%		0.0600	0.0001	0.0002	0.0001								
CE	%			0.3438	0.3461	0.3475								
Ultrasonic Test (ASTM E213-22) : Ok														
Type of reference indicator used :														
Notch Orientation		Notch		Notch		Notch		Notch		Drill Hole				
		Depth	UOM	Length	UOM	Width	UOM	Notch Type		Dia	UOM			
Longitudinal ID		0.5500	mm	50.0000	mm	0.4000	mm	N NOTCH						
Longitudinal OD		0.5500	mm	50.0000	mm	0.4000	mm	N NOTCH						
Bend Test (As Per Specn.) : Ok														
Hydrostatic Test (As Per Specn.) : Ok 2970 PSI Test Duration: 5 Second Minimum														
Remarks :														