

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. :EV337342			Date: 10-FEB-2024						
Consignee :						W.O. No. :QFSV207786			Date: 10-FEB-2024						
P.O.No : EGS1 -1116.						Date: 10-JAN-2024									
Customer Item : - ASTM/ASME A106B & API 5L X42 PSL1, 2" X SCH 40 X 20 FT LONG															
Specification : ASTM A 106/A 106M-19a Grade B/ASME BPVC SA-106/SA 106M/ Grade B SECTION II, PART A Edition 2023/API 5L Grade X42 PSL-1 (FORTY-SIXTH EDITION)															
Product : HOT FINISHED SEAMLESS STEEL PIPE						Bearing No. / Part No.:			NA						
Ends : PLAIN ENDS						Heat Number : 5357P			Steel Grade : BS 3059						
Steel Supplier: ISMT STEEL, JEJURI, PUNE						Batch Number : BVA965			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 :	60.300	2.374	0.450	-0.450	MM	0.0177	-0.0177	373	2273.808 / 7460.364	12.930 Ton					
ID :	52.480	2.066	0.000	0.000	MM	0.0000	0.0000	Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet							
WT:	3.910	0.154	10.000	-10.000	P										
% Chemical Composition (EL) - ASTM A751-21						Mechanical Properties : ASME SA/ASTM A370-23/ASTM E8/E8M-22/E18-22/E10-23									
EL	UOM	Min	Max	Mill	Product1	Product2	YS (ReL) psi	U.T.S. (Rm) psi	% E (A) 50.00 mm	Sample Location	Orientation	Tensile specimen Dimensions			
C	%		0.2800	0.1500	0.1480	0.1490						Type	Width (mm)	WT (mm)	
Si	%	0.1000		0.2600	0.2600	0.2500	Min	42100.00	60200.00	21.00					
S	%		0.0300	0.0020	0.0020	0.0030	Max								
P	%		0.0300	0.0130	0.0130	0.0130	I	49936.25	68852.57	36.26	P	L	Strip	19.45	4.02
Mn	%	0.2900	1.0600	1.0300	1.0200	1.0300	Tensile strength at ambient temperature								
Ni	%		0.4000	0.0400	0.0400	0.0400	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal								
Cr	%		0.4000	0.1100	0.1000	0.1000									
Mo	%		0.1500	0.0150	0.0150	0.0140									
Cu	%		0.4000	0.1000	0.1000	0.1000									
Sn	%			0.0090	0.0080	0.0078									
Al	%			0.0300	0.0300	0.0300									
Ti	%		0.1500	0.0025	0.0024	0.0024									
V	%		0.0800	0.0025	0.0025	0.0024									
As	%			0.0040	0.0040	0.0040									
Ca	%			0.0005	0.0005	0.0004									
B	%			0.0004	0.0004	0.0003									
Nb	%		0.1500	0.0029	0.0028	0.0029									
CE	%			0.3565	0.3508	0.3533									
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	0.3900	mm	50.0000	mm	0.4000	mm	N NOTCH								
Longitudinal OD	0.3900	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									
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.															