

TEST CERTIFICATE ACC TO EN: 10204: 3.1		Format No. QFB-QU-14/R-02														
Customer :		Test Certificate No. :EV336314	Date: 07-MAY-2023													
Consignee :		W.O. No. :QFSU202340														
		Invoice No. :EAV2356152	Date: 07-MAY-2023													
		Pre Shipment Invoice No. : PCMV572587														
P.O.No : PO-43874		Date: 15-FEB-2023	LC : IIACI17940821M													
Customer Item : ITEM SR.NO 2 SEAMLESS TUBE SIZE: 1.5" NO SCH 40,CUSTOMER PO NO:25.768																
Specification : ASTM A53M-22 Grade B/ASTM A106/A106M-19n 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 : PLAIN ENDS		Batch Number : BVD5														
Heat Number : 1200P		Steel Grade : BS 3059														
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													
OD : 48.300	1.902	0.400	-0.400 MM													
ID : 40.940	1.612	0.000	0.000 MM													
WT: 3.680	0.145	10.000	-10.000 P													
		0.0157	-0.0157													
		0.0000	0.0000													
Number		Meter / Feet														
183		1115.568 / 3660.179														
Weight		4.800 Ton														
Length: E/ 6096.000 - 6096.000 MM, E/ 20.001 - 20.001 Feet																
% Chemical Composition (EL) - ASTM A751-21																
EL	UOM	Min	Max	Mill	Product1	Product2	YS (Re) (PSI)	U.T.S. (Rm) (PSI)	% F (A)	Sample Location	Surface Hardness HBW	Tensile specimen Dimensions				
C	%		0.2800	0.1400	0.1420	0.1410						Type	Width (mm)	WT (mm)		
Si	%	0.1000		0.2000	0.2100	0.2200										
S	%		0.0100	0.0050	0.0050	0.0048	Min	42100.00	60200.00	21.00						
P	%		0.0300	0.0120	0.0120	0.0110	Max									
Mn	%	0.2900	1.3000	1.0400	1.0300	1.0400	1	56279.62	78822.76	38.20	P	L	146 - 148	Strip	19.32	4.36
Ni	%		0.4000	0.0700	0.0720	0.0690	Tensile strength at ambient temperature									
Cr	%		0.4000	0.0500	0.0510	0.0520	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal									
Mo	%		0.1500	0.0200	0.0210	0.0220										
Cu	%		0.4000	0.1800	0.1800	0.1900										
Sn	%			0.0100	0.0100	0.0100										
Al	%			0.0320	0.0310	0.0290										
Ti	%		0.1500	0.0014	0.0013	0.0014										
V	%		0.0600	0.0022	0.0021	0.0022										
As	%			0.0058	0.0057	0.0058										
Ca	%			0.0005	0.0005	0.0006										
B	%		0.0010	0.0003	0.0003	0.0002										
Nb	%		0.0600	0.0018	0.0017	0.0018										
CE	%			0.3444	0.3453	0.3468										
Ultrasonic Test (ASTM E213-22) : Ok																
Type of reference indicator used :																
Notch Orientation	Notch Depth	Notch		Notch		Notch Type	Drill Hole									
		UOM	Length	UOM	Width		UOM	Dia	UOM							
Longitudinal ID	0.3700	mm	50.0000	mm	0.4000	mm	N NOTCH									
Longitudinal OD	0.3700	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 :																