

TEST CERTIFICATE ACC TO EN: 10204: 3.1				Format No. QFB-QU-14/R-02												
Customer :				Test Certificate No. :EV336316		Date: 07-MAY-2023										
Consignee :				W.O. No. :QFSU202341		Date: 07-MAY-2023										
				Invoice No. :EAV2356153		Date: 07-MAY-2023										
				Pre Shipment Invoice No. : PCMV572587												
P.O.No :PO-43874		Date: 15-FEB-2023		LC :HACII794082IM												
Customer Item : ITEM SR.NO 3 SEAMLESS TUBE SIZE: 1.5" NB SCH 80,CUSTOMER PO.NO:25.768																
Specification :ASTM A53M-22 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 5LGrade B PSL-1/X42 PSL-1 (FORTY-SIXTH EDITION)																
Product : HOT FINISHED SEAMLESS STEEL PIPE																
Ends : PLAIN ENDS				Bearing No. / Part No.:		NA										
Heat Number : 1201P		Steel Grade : BS 3059		Batch Number :		BVD20										
Steel Supplier: ISMT STEEL, JFJURI, PUNE				Manufacturing Route: EAF-LRF-VD-CCM(Fully killed)												
Dimensions		Tolerance		Tolerance Inch		Quantity										
MM	Inch	+Ve	-Ve UOM	+Ve	-Ve	Number	Meter / Feet									
OD : 48.300	1.902	0.400	-0.400 MM	0.0157	-0.0157	61	371.856 / 1220.060									
ID : 38.140	1.502	0.000	0.000 MM	0.0000	0.0000		2.060 Ton									
WT: 5.080	0.200	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	U.T.S. (Rm) PSI	% E (A)	Sample Location	Surface Hardness HBW	Tensile specimen Dimensions				
C	%		0.2800	0.1500	0.1530	0.1510						Type	Width (mm)	WT (mm)		
Si	%	0.1000		0.2300	0.2320	0.2980										
S	%		0.0100	0.0040	0.0040	0.0030	Min	42100.00	60200.00	22.00						
P	%		0.0300	0.0140	0.0130	0.0140	Max									
Mn	%	0.2900	1.3000	1.0200	1.0210	1.0250	1	57004.98	77044.91	35.96	P	L	141 - 143	Strip	19.47	5.2
Ni	%		0.4000	0.0700	0.0710	0.0690	2	58213.92	77827.16	35.60	P	L	143 - 146	Strip	19.3	5.26
Cr	%		0.4000	0.0600	0.0610	0.0590	Tensile strength at ambient temperature									
Mo	%		0.1500	0.0200	0.0210	0.0220	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal									
Cu	%		0.4000	0.1800	0.1700	0.1800										
Sn	%			0.0090	0.0090	0.0080										
Al	%			0.0280	0.0270	0.0260										
Ti	%		0.1500	0.0016	0.0016	0.0015										
V	%		0.0600	0.0020	0.0020	0.0030										
As	%			0.0056	0.0055	0.0051										
Ca	%			0.0005	0.0005	0.0006										
B	%		0.0010	0.0002	0.0002	0.0003										
Nb	%		0.0600	0.0012	0.0010	0.0011										
CE	%			0.3531	0.3560	0.3552										
Ultrasonic Test (ASTM E213-22)				:Ok												
Type of reference indicator used :																
Notch Orientation	Notch		Notch		Notch		Drill Hole									
	Depth	UOM	Length	UOM	Width	UOM										
Longitudinal ID	0.5100	mm	50.0000	mm	0.4000	mm	N NOTCH									
Longitudinal OD	0.5100	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 :																

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Remarks :			
I. NO WELD REPAIR PERFROMED.			
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.			
			
RAJENDRA V BHISE SUPERVISOR Authorized signatory			