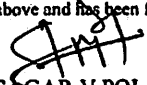


TEST CERTIFICATE ACC TO EN: 10204: 3.1						Format No. QFB-QU-14/R-03						
Customer :						Test Certificate No. :EW24300748			Date: 13-MAR-2025			
Consignee :						W.O. No. :QFSW11392011			Invoice No. :353251100309			
P.O.No : EGS1 -1125						Date: 07-JAN-2025						
Customer Item : - CS SEAMLESS BLACK PE PIPES AS PER ASTM A106B/ASME 106B/API 5L X42 ASTM A53B/ASME SA53B GRADES SIZE: 1 1/2 X SCH 80												
Specification : ASTM A106/A106M-19a Grade B/A53/A53M-24 Grade B/ASME BPVC SA-53/SA- 53M/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												
Ends : PLAIN ENDS												
Heat Number : 0489Q				Steel Grade : BS 3059				Confirms to : BS 3059		Batch Number : BXC0002		
Steel Supplier: KFIL (STEEL DIV), JEJURI, PUNE						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 : 48.300	1.902		0.015	-0.015 INCH	0.0150	-0.0150	427	2603.300 / 8541.427	14.203 Ton			
ID : 38.140	1.502		0.000	0.000 INCH	0.0000	0.0000	Length: E/ 240.000 - 240.000 INCH E/ 20.000 - 20.000 Feet					
WT: 5.080	0.200		10.000	-10.000 P								
% Chemical Composition (EL) - ASTM A751-21							Mechanical Properties : ASME SA/ASTM A370-24a/ASTM E8/E8M-24/E18-24/E10-23					
EL.	UOM	Min	Max	Mill	Product1	Product2	YS (ReH) psi	U.T.S. (Rm) psi	% E (A) 50.00 mm	Tensile specimen Dimensions		
C	%		0.2800	0.1500	0.1490	0.1500						
Si	%	0.1000		0.2100	0.2120	0.2130						
S	%		0.0300	0.0040	0.0030	0.0040	Min	42100.00	60200.00	22.00		
P	%		0.0300	0.0170	0.0160	0.0170	Max					
Mn	%	0.2900	1.0600	1.0200	1.0200	1.0300	1	49239.33	72138.04	32.90	P	L
Ni	%		0.4000	0.0500	0.0400	0.0600	2	50533.61	73944.34	32.80	P	L
Cr	%		0.4000	0.1100	0.1120	0.1130	Tensile strength at ambient temperature			Strip	19.46	5.06
Mo	%		0.1500	0.0200	0.0300	0.0200	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal			Strip	19.5	5.08
Cu	%		0.4000	0.1100	0.1120	0.1130						
Sn	%			0.0060	0.0050	0.0060						
Al	%			0.0330	0.0320	0.0340						
Ti	%		0.1500	0.0019	0.0018	0.0019						
V	%		0.0800	0.0035	0.0035	0.0036						
As	%			0.0046	0.0045	0.0047						
Ca	%			0.0005	0.0004	0.0005						
B	%			0.0005	0.0004	0.0002						
Nb	%		0.1500	0.0027	0.0027	0.0025						
Sb	%			0.0013	0.0013	0.0012						
Pb	%			0.0012	0.0012	0.0020						
CE	%			0.3574	0.3582	0.3605						
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	0.5100	mm	50.0000	mm	0.3000	mm	N NOTCH					
Longitudinal OD	0.5100	mm	50.0000	mm	0.3000	mm	N NOTCH					

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Customer :	Test Certificate No. :EW24300748	Date: 13-MAR-2025	
Consignee :	W.O. No. :QFSW11392011		
	Invoice No. :353251100309	Date: 13-MAR-2025	
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.			
			
SAGAR V POL SENIOR ASSISTANT (S-III) Authorized signatory			