


TEST CERTIFICATE ACC TO EN: 10204: 3.1						Format No. QFB-QU-14/R-03									
Customer						Test Certificate No. :EW24300328 Date: 27-NOV-2024									
Consigence						W.O. No. :QFSW8898006 Invoice No. :353251100166 Date: 27-NOV-2024									
P.O.No : EGS1 -1123						Date: 25-SEP-2024									
Customer Item : -- SEAMLESS BLACK PE PIPES AS PER ASTM A106B/ASME 106B/API 5L X42 GRADES SIZE: 1 1/4 X SCH 80															
Specification : ASTM A106/A106M-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															
Ends : PLAIN ENDS															
Heat Number : 9066P				Steel Grade : BS 3059				Confirms to : BS 3059				Batch Number : BWK0114			
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 : 42.200		1.661	0.015	-0.015	INCH			366		2231.400 / 7321.223		10.560 Ton			
ID : 32.500		1.280	0.000	0.000	INCH			Length: E/ 240.000 - 240.000		MM, E/ 0.787 - 0.787		Feet			
WT: 4.850		0.191	0.000	0.000	P										
% Chemical Composition (EL) - ASTM A751-21						Mechanical Properties : ASME SA/ASTM A370-24/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)	Sample		Tensile specimen Dimensions			
C	%		0.2800	0.1450	0.1460	0.1430			50.00 mm	Loca	Orien	Type	Width (mm)	WT (mm)	
Si	%	0.1000		0.2000	0.2010	0.2030	0.5% EUL								
S	%		0.0300	0.0030	0.0032	0.0031	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	1.0100	1	54772.00	77457.37	30.80	P	L	Strip	19.59 5.03	
Ni	%		0.4000	0.0600	0.0620	0.0610	Tensile strength at ambient temperature								
Cr	%		0.4000	0.0700	0.0690	0.0710	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal								
Mo	%		0.1500	0.0200	0.0210	0.0220									
Cu	%		0.4000	0.1900	0.1980	0.1930									
Sn	%			0.0090	0.0092	0.0091									
Al	%			0.0290	0.0280	0.0290									
Ti	%		0.1500	0.0019	0.0018	0.0019									
V	%		0.0800	0.0030	0.0032	0.0031									
As	%			0.0048	0.0048	0.0049									
Ca	%			0.0007	0.0006	0.0007									
B	%			0.0005	0.0005	0.0005									
Nb	%		0.1500	0.0028	0.0026	0.0027									
CE	%			0.3503	0.3520	0.3475									
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		0.4900	mm	50.0000	mm	0.3000	mm	N NOTCH							
Longitudinal OD		0.4900	mm	50.0000	mm	0.3000	mm	N NOTCH							
Bend Test (As Per Specn.)						: Ok									

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Consignee :	Invoice No. :353251100166	Date: 27-NOV-2024	
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.			
			
AKSHAY S SHINDE ASSISTANT (S-II) Authorized signatory			