


TEST CERTIFICATE ACC TO EN: 10204: 3.1						Format No. QFB-QU-14/R-03									
Customer :						Test Certificate No. :EW24300329			Date: 27-NOV-2024						
Consignee :						W.O. No. :QFSW8898007			Invoice No. :353251100166						
Date: 25-SEP-2024						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: 2 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 5LGrade X42 PSL-1 (FORTY-SIXTH EDITION)															
Product : HOT FINISHED SEAMLESS STEEL PIPE															
Ends : PLAIN ENDS															
Heat Number : 8987P				Steel Grade : BS 3059				Confirms to : BS 3059				Batch Number : BWJ0674			
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 : 60.300	2.374	0.017	-0.017 INCH			665	4053.500 / 13299.534		30.423 Ton						
ID : 49.220	1.938	0.000	0.000 INCH			Length: E/ 240.000 - 240.000 MM, E/ 0.787 - 0.787 Feet									
WT: 5.540	0.218	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) 50.00 mm	Sample Location		Tensile specimen Dimensions			
C	%		0.2800	0.1450	0.1450	0.1448							Type	Width (mm)	WT (mm)
Si	%	0.1000		0.2100	0.2098	0.2099									
S	%		0.0300	0.0040	0.0039	0.0038	Min	42100.00	60200.00	22.00					
P	%		0.0300	0.0090	0.0089	0.0090	Max								
Mn	%	0.2900	1.0600	1.0200	1.0190	1.0200	1	52325.68	77073.35	32.10	P	L	Strip	19.3	4.98
Ni	%		0.4000	0.0700	0.0695	0.0698	2	51984.33	76817.34	32.76	P	L	Strip	19.38	5.58
Cr	%		0.4000	0.0800	0.0798	0.0797	Tensile strength at ambient temperature								
Mo	%		0.1500	0.0300	0.0295	0.0298	Abbreviations : P:Pipe Body, U:Upset,T:Transverse, L:Longitudinal								
Cu	%		0.4000	0.1400	0.1390	0.1400									
Sn	%			0.0070	0.0068	0.0069									
Al	%			0.0330	0.0329	0.0329									
Ti	%		0.1500	0.0020	0.0018	0.0019									
V	%		0.0800	0.0028	0.0027	0.0028									
As	%			0.0045	0.0044	0.0045									
Ca	%			0.0015	0.0014	0.0015									
B	%			0.0005	0.0004	0.0005									
Nb	%		0.1500	0.0033	0.0032	0.0033									
Sb	%			0.0033	0.0032	0.0033									
Pb	%			0.0016	0.0015	0.0016									
CE	%			0.3516	0.3511	0.3512									
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	0.5500	mm	50.0000	mm	0.4000	mm	N NOTCH								
Longitudinal OD	0.5500	mm	50.0000	mm	0.4000	mm	N NOTCH								

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Bend Test (As Per Specn.)		:Ok	
Hydrostatic Test (As Per Specn.)		:Ok	2970 psi Test Duration: 5 Second Minimum
<p>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.</p>			
<p> AKSHAY S SHINDE ASSISTANT (S-II) Authorized signatory</p>			