



**MAHARASHTRA SEAMLESS LIMITED**  
WORKS (MILL) TEST CERTIFICATE  
EN 10204 : 3.1B

QCF 20A

Test Certificate No.: MSL-6/QC/0001Q/2022  
Date: 24 July 2022

Customer :  
P.O.No : 42456 Dtd. 04-03-2022  
OC/Loading slip no. : 66210080 (Item No. 04)  
Specification : ASTM A106 GR.B / API 5L GR.B / X42 PSL-1  
Process/Type of Pipe : Hot Finished seamless carbon steel pipes

OD X WT : 42.20 mm X 3.56 mm  
Length Range : 20 - 20 Feet  
Total Length : 23080 Feet (1154 Pcs)  
Material Code : \_\_\_\_\_

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A) CHEMICAL COMPOSITION (%) - Reference standard ASTM A-751 & ASTM E-415																				B) Special / supplementary Reqs.							
SI No.	Heat No.	Test Unit	Analysis	C	Mn	Si	P	S	Cr	Mo	Ni	Cu	V	Nb	Ti	Nb+V	Nb+V+Ti	B	Ca	Al	N	Mn/C	Cu+Ni	CE Pcm	CE IIW		
1	AB272	H	P1	Min.	0.290	0.100												0.001								0.358	
				Max.	0.260	1.060	0.500	0.030	0.010	0.400	0.150	0.400	0.400	0.090	0.110	0.110						0.024			5.833	0.011	
				H	0.180	1.050	0.240	0.011	0.005	0.010	0.0000	0.006	0.005	0.0010	0.0008	0.0020	0.0016	0.0036	0.0003		0.025			5.474	0.013		0.359
				P2	0.190	1.040	0.240	0.010	0.006	0.011	0.0010	0.007	0.006	0.0008	0.0004	0.0021	0.0012	0.0033	0.0002		0.023			5.889	0.009		
				F2	0.180	1.060	0.230	0.011	0.004	0.010	0.0010	0.005	0.004	0.0011	0.0005	0.0022	0.0016	0.0038	0.0003								

  

C) MECHANICAL PROPERTIES										CVN Impact Test (Pipe Body)																	
SI No.	Heat No.	Test Unit	Quantity	Name of the Steel	Tensile Testing (Loc Pipe Body)					Absorbed Energy (J)					% Shear Area												
					Yield	UTS	YTS/UTS Ratio	El (%)	Temp. (°C)	1	2	3	Avg	1	2	3	Avg	1	2	3	Avg						
2	AB272	1154	23080	JSPL, Chhattisgarh/ 2118862	491.83	558.60	0.88	32.54	75	76	76	77	76														

  

Raw Material	Partly killed & Fine Grain Practice	Dimension	Good	NDE Method	Ultrasonic Testing - GOOD
Steel Route	EAF-LRF-VD-CCM	Weight	Good	Location & Orientation	Longitudinal & Transverse Notch at OD
Hot Rolling Temp. °C	880-940	End Finish	SQUARE CUT	Type & Size of Ref Indicator	10% Notch X 50mm Length X 1.0mm Width
Heat Treatment	NA	Straightness	OK	Residual Magnetism	10 Gauss Max
Delivery Condition	R	Visual	OK	Field Weldability	NA
Norm./Temp. Temp(°C)	NA	Bend Test	OK	Flamming Test	NA
HIC	NA	SSC	NA	Micro Structure/Grain Size	Reveals fine Ferrite and pearlite /ASTM No. 7-8
Inclusion Rating	NA	Hot Straight, Temp. °C	NA	Colour Coding	NA



D) Marking/Stamping : MAHA (M) MSL API 5L X-42 PSL-1 / ASTM A106 GR.B / NACE MRO175 / MRO103 (% S HARDNESS CONTROLLED) BE SMLS SRL OD 1.660 INCH X WT 0.140 INCH NPS HEATNO... + 2970 PSI + LENGTH...IN FEET + MADE IN INDIA + WEIGHT - 2.27 LB/FT + PO/SHIPPING MARK : "PO # 25.436" + B.NO...

E) Remarks : 1) Mill conforms to API 5L GR.B PSL-1 / X42 (EN. 2018) / ASTM/ASME A106 B (EN. 2019a) / SA106 B (EN. 2021). 2) "Country of melt and pour : INDIA".

The material has been manufactured, sampled, tested and inspected and has been found conforming to the specification and PO

W & R D : D-114, MIDC Industrial Area, Vile - Bhopad, Varchivad, Dist. Raigad, Maharashtra-402308 Phone : 9223685171

Warning: Modification or unauthorized use of this certification is strictly prohibited. Violation calls for criminal prosecution. For authenticity verification, you can contact us on mslc@mahaseam.com.

FOR MAHARASHTRA SEAMLESS LTD  
DEBTANU PAL - Asst. Engineer

Rev. 01 Date: 01.01.2020