



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

QCF 20A

Test Certificate No: MSL-6/QC/0001E/2022
Date: 07 June 2022

OD X WT : 114.30 mm X 8.56 mm
Length Range : 20 - 20 Feet
Total Length : 4620 Feet (231 PCS)
Material Code :

Customer : 12682 Dated: 28-FEB-22
P.O.No : 66210079 (Item No. 01)
OC/Loading slip no. : ASTM A106 Gr.B; API 5L Gr.B/X42 PSL-1
Specification : Hot Finished seamless carbon steel pipes
Process/Type of Pipe :

A) CHEMICAL COMPOSITION (%) - Reference standard ASTM A-751 & ASTM E-415																									
SI No	Heat No	Test Unit	Analy sis	C	Mn	Si	P	S	Cr	Mo	Ni	Cu	V	Nb	Ti	Nb+V+Ti	B	Ca	Al	N	Mn/C	Cu+Ni	CE Pcm	CE IIW	B) Special / supplementary Reqts
Req.	Min.			0.260	0.290	0.100	0.030	0.010	0.400	0.150	0.400	0.400	0.080	0.110	0.110										
	Max.			0.170	1.000	0.250	0.012	0.004	0.031	0.026	0.008	0.006	0.011	0.003	0.025	0.0014	0.0039	0.0003	0.029		5.882	0.014	0.345		
1	AB662	H		0.170	1.000	0.240	0.012	0.003	0.032	0.016	0.007	0.007	0.010	0.002	0.026	0.0012	0.0038	0.0003	0.030		5.882	0.014	0.345		
		P1		0.180	0.990	0.260	0.013	0.005	0.031	0.036	0.009	0.005	0.012	0.003	0.027	0.0015	0.0042	0.0004	0.028		5.500	0.014	0.353		
		P2		0.170	1.030	0.260	0.014	0.004	0.018	0.032	0.012	0.006	0.012	0.002	0.022	0.0014	0.0036	0.0003	0.034		6.059	0.018	0.347		
2	AB696	H		0.170	1.030	0.250	0.014	0.003	0.019	0.022	0.011	0.007	0.011	0.003	0.023	0.0014	0.0037	0.0003	0.035		6.059	0.018	0.347		
		P1		0.180	1.020	0.270	0.015	0.005	0.018	0.042	0.013	0.005	0.013	0.004	0.024	0.0017	0.0041	0.0004	0.033		5.667	0.018	0.356		
		P2		0.170	1.040	0.200	0.012	0.004	0.015	0.029	0.006	0.006	0.011	0.004	0.017	0.0032	0.0003	0.0003	0.026		6.118	0.012	0.348		
3	AB700	H		0.180	1.030	0.200	0.011	0.005	0.016	0.039	0.007	0.007	0.009	0.003	0.018	0.0012	0.0030	0.0002	0.027		5.722	0.014	0.357		
		P1		0.170	1.050	0.190	0.012	0.003	0.015	0.029	0.005	0.005	0.012	0.004	0.019	0.0016	0.0035	0.0003	0.025		6.176	0.010	0.349		
		P2																							

C) MECHANICAL PROPERTIES

SI No.	Heat No.	Test Unit	Quantity	Name of the Steel Maker and Address/Supplier Heat No.	Tensile Test (Loc. Pipe Body)			CVN Impact Test (Pipe Body)			Through Wall Hardness (Pipe Body)													
					YST (Mpa)	UTS (Mpa)	YSY/UTS Ratio	Absorbed Energy (J)	% Shear Area	Hardness (HRB)														
					Orientation:			Size & Orientation:			Transverse Direction													
					G.L.=50 mm Nom. Width=25.40 mm			Temperature°C:			Mid													
					1			2			3													
					290	414	30																	
Req.	Min.																							
	Max.																							
1	AB662		43	JSP, Chhattisgarh/3215345	357.86	478.44	0.75	37.80																
2	AB696		138	JSP, Chhattisgarh/2215424	348.52	496.29	0.70	36.62																
3	AB700		50	JSP, Chhattisgarh/2215418	345.78	494.39	0.70	37.34																

D) Marking/Stamping :

MAHA ((M)) MSL API 5L X-42 PSL-1 / ASTM A106 GR.B / NACE MR0175 / MR0103 (% S HARDNESS CONTROLLED) BE SMLS SRL OD 4.500 INCH X WT 0.337 INCH HFS HEATNO... + 2970 PSI + LENGTH... IN FEET + MADE IN INDIA + WEIGHT - 15.00 LB/FT + PO/SHIPPING MARK: "PO # 25-436" + RND...

E) Remarks : 1) Matl Conforms to API 5L GR B PSL-1 / X42 (EDN. 2018) / ASTM/ASME A106 B (EDN. 2019) / SA106 B (EDN. 2021). 2) Country of melt and pour: INDIA. 3) Revised TC Rev.01 Dtd. 01-08-2022.

Legends : T-Transverse, L-Longitudinal, YST-Yield Strength, UTS-Ultimate Tensile Strength, El-Elongation, GL-Gauge Length, H-Heat, P1-Product 1, P2-Product 2, R-As Rolled, Q-Quenched & Tempered, N-Normalised, N&T-Normalised & Tempered, PG-Plain-end, BC-Buttress Thread Casing, LC-Long Round Thread Casing, SC-Short Round Thread Casing, NU-Non-unset tubing, BU-External Unset tubing, NA-Not Avail/cable

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

W & R.O: D-114,MIDC, Industrial Area, Vile - Bhagad, Varkhiwadi, Dist. Raigad, Maharashtra-402308 Phone :9223685171
FOR MAHARASHTRA SEAMLESS LTD
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