



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

QCF 20A

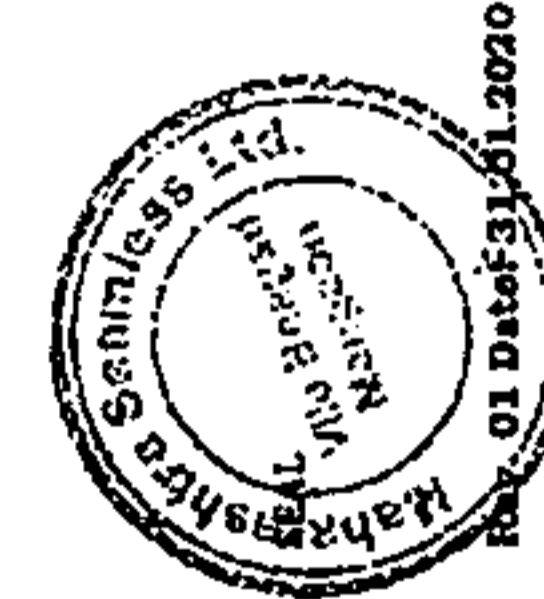
Customer : 42456 Dtd. 04-03-2022
P.O.No : 66210080 (Item No. 15)
OC/Loading slip no. : ASTM A106 GR.B / API 5L GR.B / X42 PSL-1
Specification : Not Finished seamless carbon steel pipes
Process/Type of Pipe

OD X WT : 73.00 mm X 7.01 mm
Length Range : 20 - 20 Feet
Total Length : 940 Feet (47 Pcs)
Material Code :

Test Certificate No.: MSL-6/QC/0001T/2022
Date: 29 July 2022

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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 Pen	CE IIW	B) Special / supplementary Reqs.
Req.		Min.	%	0.260	0.290	0.100	0.030	0.010	0.400	0.150	0.400	0.400	0.080				0.001								
		Max.	%	0.175	1.050	0.250	0.019	0.004	0.015	0.0010	0.008	0.005	0.0050	0.0020	0.0012	0.0082	0.0004		0.030		6.000	0.013		0.355	
1	AB715	H		0.185	1.040	0.250	0.018	0.005	0.016	0.0020	0.009	0.006	0.0048	0.0022	0.0013	0.0070	0.0003	0.031		5.622	0.015		0.364		
		P2		0.175	1.060	0.240	0.019	0.003	0.015	0.0010	0.007	0.004	0.0051	0.0021	0.0014	0.0072	0.0005	0.029		6.057	0.011		0.357		
C) MECHANICAL PROPERTIES																									
SI No	Heat No	Test Unit	Quantity Pcs	Feet	Tensile Testing (Loc Pipe Body)		YST/UTS Ratio		E1 (%)	CVN Impact Test (Pipe Body)		Through Wall Hardness (Pipe Body)													
					YS (Mpa)	UTS (Mpa)	YS/UTS	UTS		Absorbed Energy (J)	Hardness (HRB)		Transverse Direction												
Req.		Min.			290	415		30																	
		Max.																							
1	AB715		47	940	341.58	515.28	0.66	36.56																	
D) MARKING/STENCILLING																									
Raw Material: Fully killed & Fine Grain Practice																									
Steel Route: EAF-LRF-VD-CCM																									
Heat Rolling Temp. °C: 880-940																									
Heat Treatment: NA																									
Delivery Condition: R																									
Norm./Temp. Temp(°C): NA																									
HIC: NA																									
Inclusion Rating: NA																									
End Area Inspection: OK																									
Hydro Test Pressure: 2970 Psi																									
Holding Time: 5 Sec																									
End Protection: Plastic end cap																									
External Coating: Black Varnished																									
Flaring Test: NA																									
CTOD: NA																									
E) Remarks																									
1) Matl Conforms to API 5L GR.B PSL-1 / X42 (EDN. 2010) / ASTM/ASME A106 B (EDN. 2019a) / SA106 B (EDN. 2021). 2) "Country of melt and pour : INDIA".																									



FOR MAHARASHTRA SEAMLESS LTD
DEBTANU PAL - Asst. Engineer

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, Varchivadi, 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 at: msfct@mahaseam.com.

01 Date: 31.01.2020