



Phoenix * Capitol * Camco CapProducts

Certified Material Test Report

Heat Code: 78EN Heat No: 78EN
 Item: 15111506: 1-1/2 X 3" XHSM L BK STL NIPL TBE
 Material: ASTM A106B-2019a / ASME SA106B-2021 Edition

Chemistry Properties

C	Mn	P	S	Si	Cu	Cr
0.1810	0.6520	0.0130	0.0040	0.1820	0.0040	0.0110
Ni	Mo	V	Co	Al	Cb	N
0.0058	0.0010	0.0004		0.0320	0.0040	
Pb	Sn	Ta	Ti	C Eq. Long		
	0.0071		0.0030	0.2928		

Additional Chemical Properties

Mechanical Properties

Tensile(PSI)	Yield(PSI)	Elong.% in 2in.or 4D	Reduction	HBW	HBW 2
68383	46337	36.5%			

Charpy Minimum Impact - ft/lbs ----- Fracture Appearance - ft/lbs

Test 1	Test 2	Test 3	Avg.	Test Temp.	Test Size	Test 1	Test 2	Test 3	Avg.

Bend Test Passed || Ultrasonic Passed

Hydro Test Passed at 2500 psi

We hereby certify that these parts were manufactured, sampled, tested, and inspected in accordance with the product specifications stated and were found to meet the requirements. This document is according to EN 10204 Inspection Certificate 3.1 requirements. These products meet the requirements of the latest editions of NACE MR0175/ISO 15156 and NACE MR0103. No weld repair has been performed on these products. This material was not exposed to mercury or any other metal alloy that is liquid at ambient temperatures during processing or while in our possession.

Meets ASME SA 106 Grade B Requirements.

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