



Phoenix * Capitol * Camco CapProducts

Certified Material Test Report

Heat Code: 78RH **Heat No:** 78RH

Item: 48101236: 2 X 1-1/2 XH WPB CONC SWG PBE

Material: ASTM A234-2019 WPB / ASME SA234-2021 Edition

Chemistry Properties

C	Mn	P	S	Si	Cu	Cr
0.1630	0.6420	0.0082	0.0052	0.2430	0.1420	0.0620
Ni	Mo	V	Co	Al	Cb	N
0.0520	0.0250	0.0021		0.0350	0.0012	
Pb	Sn	Ta	Ti	C Eq. Long		
	0.0062		0.0024	0.3008		

Additional Chemical Properties

Mechanical Properties

Tensile(PSI)	Yield(PSI)	Elong.% in 2in.or 4D	Reduction	HBW	HBW 2
67728	45015	37%		144	144

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.

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.

Manufactured in the USA.

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