

# CERTIFIED MILL TEST REPORT



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**BONNEY FORGE CORPORATION**  
 P.O. BOX 330 • 14496 CROGHAN PIKE • MOUNT UNION, PA 17066-0330  
 (814) 542-2545 • (800) 345-7546 • FAX (814) 542-4906  
 www.bonneyforge.com

**CUSTOMER:** PLESA ANAHUAC Y CIAS., S.A. DE C.V.

**DATE** 11/15/2011

**CUSTOMER ORDER NO.:** 11604

**BONNEY ORDER NO.** B000109015

**SHIP TO:** AMERICAN DISPATCH  
 302 QUNIRA DR  
 MODERN INDUSTRIAL PARK  
 LAREDO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	50	58431	1/2 3000 A105 90EL T	SA/A105 C 0.210 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.090 Mn 1.010 Mo 0.010 Nb 0.014 Ni 0.060 P 0.008 S 0.020 Si 0.220 V 0.003 CE(Long Formula) = 0.40 T/S(PSI) 78,750 Y/S(PSI) 51,500 EL(%) 30.15 RA(%) 62.30 Brinell 144 BHN 139 BHN
2	50	58413	2 3000 A105 90EL S	SA/A105 Al 0.024 C 0.200 Cb 0.000 Co 0.003 Cr 0.040 Cu 0.070 Mn 1.010 Mo 0.020 Ni 0.020 P 0.006 S 0.021 Si 0.200 V 0.040 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 50,000 EL(%) 29.40 RA(%) 63.75 Brinell 139 BHN 139 BHN
3	100	58384	3/4 3000 A105 90EL S	SA/A105 C 0.200 Cb 0.000 Co 0.002 Cr 0.030 Cu 0.080 Mn 1.030 Mo 0.010 Nb 0.014 Ni 0.030 P 0.007 S 0.021 Si 0.190 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 48,125 EL(%) 30.30 RA(%) 62.75 Brinell 153 BHN 150 BHN
4	30	58269	3/4 3000 A105 45EL S	SA/A105 Al 0.020 C 0.200 Co 0.003 Cr 0.040 Cu 0.120 Mn 1.040 Mo 0.010 N 0.005 Nb 0.014 Ni 0.030 P 0.008 S 0.019 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 53,375 EL(%) 30.05 RA(%) 64.70 Brinell 141 BHN 141 BHN

We certify that the data on this sheet is a true copy taken from our records of material furnished us by the production mill, or as obtained by additional laboratory checks.

by Kylee Ruiz  
 Kylee Ruiz  
 QUALITY PROCESS MANAGER

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
		58455	3/4 3000 A105 45EL S SA/A105 Al 0.025 C 0.210 Co 0.003 Cr 0.020 Cu 0.080 Mn 1.040 Mo 0.010 N 0.005 Nb 0.014 Ni 0.050 P 0.008 S 0.019 Si 0.210 V 0.003 CE(Long Formula) = 0.40 T/S(PSI) 77,500 Y/S(PSI) 52,500 EL(%) 31.80 RA(%) 62.05 Brinell 141 BHN 139 BHN
6	3	58016	36 -24 X 4 STD A105 WELDB SA/A105 Al 0.026 C 0.200 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.100 Mn 1.030 Mo 0.010 Nb 0.016 Ni 0.030 P 0.006 S 0.021 Si 0.230 Sn 0.010 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 75,758 Y/S(PSI) 51,767 EL(%) 29.25 RA(%) 65.51 Brinell 132 BHN 130 BHN
7	7	58260	36 -12 X 1 3000 A105 SOCK S SA/A105 Al 0.020 C 0.200 Co 0.003 Cr 0.040 Cu 0.120 Mn 1.050 Mo 0.010 N 0.004 Nb 0.013 Ni 0.030 P 0.007 S 0.018 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 75,500 Y/S(PSI) 49,200 EL(%) 31.00 RA(%) 66.00 Brinell 159 BHN 163 BHN
8	6	58117	36 -10 X 1/2 3000 A105 SOCK S SA/A105 C 0.200 Co 0.003 Cr 0.040 Cu 0.110 Mn 1.000 Mo 0.010 N 0.005 Nb 0.013 Ni 0.040 P 0.011 S 0.021 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 73,500 Y/S(PSI) 49,200 EL(%) 31.00 RA(%) 68.00 Brinell 143 BHN 140 BHN

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Price, Quality, Service  
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LAREDO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
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		57681	36 -10 X 1/2 3000 A105 SOCK S	SA/A105
			Al 0.018 C 0.190 Co 0.003 Cr 0.030 Cu 0.080 Mn 1.070 Mo 0.010 Nb 0.013	
			Ni 0.030 P 0.006 S 0.020 Si 0.220 V 0.000	
			CE(Long Formula) = 0.38	
			T/S(PSI) 76,382 Y/S(PSI) 52,764 EL(%) 31.85 RA(%) 66.58	
			Brinell 141 BHN 144 BHN	

10	3	58260	36 -12 X 1 3000 A105 THRD T	SA/A105
			Al 0.020 C 0.200 Co 0.003 Cr 0.040 Cu 0.120 Mn 1.050 Mo 0.010 N 0.004	
			Nb 0.013 Ni 0.030 P 0.007 S 0.018 Si 0.200 V 0.004	
			CE(Long Formula) = 0.40	
			T/S(PSI) 75,500 Y/S(PSI) 49,200 EL(%) 31.00 RA(%) 66.00	
			Brinell 159 BHN 163 BHN	

		58038	36 -12 X 1 3000 A105 THRD T	SA/A105
			Al 0.021 C 0.210 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.140 Mn 1.000 Mo 0.010	
			N 0.005 Nb 0.013 Ni 0.040 P 0.008 S 0.018 Si 0.210 Sn 0.010 V 0.004	
			CE(Long Formula) = 0.40	
			T/S(PSI) 81,000 Y/S(PSI) 49,375 EL(%) 29.70 RA(%) 62.30	
			Brinell 162 BHN 156 BHN	

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LAREDO TX 78045

**ITEM QUANTITY LOT NO.**

**GRADE OR SPECIFICATION NO.  
CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:**

1. THE FITTINGS SUPPLIED ARE IN ACCORDANCE WITH PURCHASE ORDER SPECIFICATIONS.
2. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF NACE MRO175/ISO 15156-2.
3. CERTIFYING ASTM A105-10 / ASME SA105-10 EDITION.
4. THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
5. THE UNIT OF MEASURE FOR TENSILE AND YIELD (0.2%) STRENGTH ARE IN REPORTED IN PSI.
6. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

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by

Kylee Ruiz

QUALITY PROCESS MANAGER

CMTR: REV2