

# CERTIFIED MILL TEST REPORT



**The Best Value -  
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All The Time.**

LOG NO. F0000000005959

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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** 09/08/2010

**CUSTOMER**

**BONNEY ORDER NO.** B000081180

**ORDER NO.:** 8813

**SHIP TO:** WILL ADVISE

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	5	58010	12- 6 X 3/4 3000 A105 THRD T SA/A105 Al 0.022 C 0.210 Cb 0.013 Co 0.002 Cr 0.030 Cu 0.040 Mn 1.020 Mo 0.000 Ni 0.020 P 0.007 S 0.024 Si 0.220 V 0.003 CE(Long Formula) = 0.39 T/S 71,500 Y/S 46,400 EL 30.00 RA 63.00 Brinell 137 BHN 135 BHN
2	28	58011	31/2-3 X 1 3000 A105 THRD T SA/A105 Al 0.022 C 0.210 Co 0.002 Cr 0.030 Cu 0.040 Mn 1.020 Mo 0.000 Nb 0.013 Ni 0.020 P 0.007 S 0.024 Si 0.220 V 0.003 CE(Long Formula) = 0.39 T/S 71,500 Y/S 46,400 EL 30.00 RA 63.00 Brinell 137 BHN 135 BHN
3	1	4263	36-11/4X3/4 XS A105 3.5 NIPO T SA/A105 Al 0.023 C 0.200 Co 0.003 Cr 0.060 Cu 0.120 Mn 1.000 Mo 0.010 Nb 0.016 Ni 0.040 P 0.007 S 0.019 Si 0.220 V 0.002 CE(Long Formula) = 0.39 T/S 81,383 Y/S 46,591 EL 34.00 RA 55.00 Brinell 149 BHN 166 BHN
4	5	58010	5 -3 X 3/4 3000 A105 THRD T SA/A105 Al 0.022 C 0.210 Cb 0.013 Co 0.002 Cr 0.030 Cu 0.040 Mn 1.020 Mo 0.000 Ni 0.020 P 0.007 S 0.024 Si 0.220 V 0.003 CE(Long Formula) = 0.39 T/S 71,500 Y/S 46,400 EL 30.00 RA 63.00 Brinell 137 BHN 135 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 *Trudy Smith*

TRUDY SMITH  
QUALITY PROCESS MANAGER

CMTR: REV2



TSC 500-500    S7S AS 700    ET 6000    DS 43000  
TSC 500-500    S7S AS 700    ET 6000    DS 43000

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
8	10	4673 MALE	2 3000 A105 UNAR T SA/A105 Al 0.021 C 0.200 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.110 Mn 1.070 Mo 0.010 N 0.005 Nb 0.014 Ni 0.040 P 0.008 S 0.022 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S 76,700 Y/S 45,100 EL 23.50 RA 33.90 Brinell 153 BHN 148 BHN
		4646 FEMALE	2 3000 A105 UNAR T SA/A105 C 0.200 Cb 0.000 Co 0.002 Cr 0.040 Cu 0.050 Mn 1.040 Mo 0.000 N 0.003 Nb 0.015 Ni 0.020 P 0.007 S 0.024 Si 0.210 V 0.004 CE(Long Formula) = 0.39 T/S 75,000 Y/S 43,400 EL 35.00 RA 57.40 Brinell 163 BHN 163 BHN
		4425 NUT-KY	2 3000 A105 UNAR T SA/A105 Al 0.025 C 0.180 Cr 0.100 Cu 0.150 Mn 0.990 Mo 0.020 Nb 0.001 Ni 0.090 P 0.010 S 0.023 Si 0.260 V 0.002 CE(Long Formula) = 0.39 T/S 75,625 Y/S 44,375 EL 32.45 RA 63.75 Brinell 137 BHN 137 BHN
9	20	58033	1 X1 X 3/4 3000 A105 TEE T SA/A105 Al 0.025 C 0.200 Cb 0.000 Co 0.002 Cr 0.030 Cu 0.070 Mn 1.040 Mo 0.010 N 0.003 Nb 0.013 Ni 0.020 P 0.007 S 0.025 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S 76,250 Y/S 48,125 EL 31.50 RA 58.30 Brinell 139 BHN 141 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
10	5	57951	2 X2 X 1/2 3000 A105 TEE S SA/A105 Al 0.020 C 0.200 Co 0.001 Cr 0.030 Cu 0.010 Mn 1.120 Mo 0.000 Nb 0.012 Ni 0.000 P 0.006 S 0.019 Si 0.240 V 0.000 CE(Long Formula) = 0.39 T/S 75,625 Y/S 48,750 EL 31.70 RA 63.00 Brinell 139 BHN 139 BHN
11	5	57901	2 X2 X 3/4 3000 A105 TEE S SA/A105 Al 0.020 C 0.200 Co 0.070 Cr 0.070 Cu 0.070 Mn 1.010 Mo 0.000 Nb 0.014 Ni 0.020 P 0.010 S 0.017 Si 0.250 V 0.004 CE(Long Formula) = 0.39 T/S 77,500 Y/S 51,250 EL 30.15 RA 60.80 Brinell 135 BHN 135 BHN
		58078	2 X2 X 3/4 3000 A105 TEE S SA/A105 Al 0.025 C 0.190 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.160 Mn 1.070 Mo 0.010 Nb 0.016 Ni 0.060 P 0.007 S 0.021 Si 0.180 V 0.004 CE(Long Formula) = 0.39 T/S 76,633 Y/S 51,506 EL 32.80 RA 64.02 Brinell 139 BHN 139 BHN
12	10	58043	3/4X 3/4X 1/2 3000 A105 TEE T SA/A105 Al 0.004 C 0.200 Cb 0.000 Co 0.000 Cr 0.094 Cu 0.210 Mn 0.940 Mo 0.022 Nb 0.009 Ni 0.079 P 0.012 S 0.018 Si 0.210 V 0.026 CE(Long Formula) = 0.40 T/S 83,500 Y/S 55,625 EL 29.10 RA 60.05 Brinell 150 BHN 153 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
13	4	57616	1/2 6000 A105 45EL S	SA/A105
				Al 0.018 C 0.200 Co 0.002 Cr 0.040 Cu 0.060 Mn 1.030 Mo 0.010 Nb 0.014 Ni 0.020 P 0.007 S 0.020 Si 0.210 V 0.000 CE(Long Formula) = 0.39 T/S 77,500 Y/S 51,625 EL 29.95 RA 63.95 Brinell 141 BHN 141 BHN

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 A105-09 / ASME SA105-07 EDITION.
4. THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
5. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

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