

CERTIFIED MILL TEST REPORT



LOG NO. F0000000021417 Page 1 of 5

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 11/14/2011

**CUSTOMER
ORDER NO.:** 11560

BONNEY ORDER NO. B000108733

SHIP TO: AMERICAN DISPATCH
 302 QUIVIRA DR
 MODERN INDUSTRIAL PARK
 LARDEO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	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
2	150	58498	1 3000 A105 90EL S SA/A105 Al 0.026 C 0.200 Co 0.002 Cr 0.040 Cu 0.070 Mn 1.020 Mo 0.010 N 0.003 Nb 0.015 Ni 0.020 P 0.007 S 0.021 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 53,750 EL(%) 32.35 RA(%) 63.50 Brinell 144 BHN 141 BHN
3	100	58317	11/2 3000 A105 90EL S SA/A105 Al 0.024 C 0.200 Co 0.004 Cr 0.050 Cu 0.200 Mn 1.030 Mo 0.010 N 0.005 Nb 0.013 Ni 0.050 P 0.009 S 0.017 Si 0.190 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,375 Y/S(PSI) 53,000 EL(%) 30.00 RA(%) 61.55 Brinell 147 BHN 144 BHN
4	100	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

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 Meloney Specht
 Meloney Specht
 QUALITY PROCESS MANAGER

CERTIFIED MILL TEST REPORT



**The Best Value -
Price, Quality, Service
All The Time.**

LOG NO. F0000000021417

Page 2 of 5

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 11/14/2011

CUSTOMER

BONNEY ORDER NO. B000108733

ORDER NO.: 11560

SHIP TO: AMERICAN DISPATCH
302 QUIVIRA DR
MODERN INDUSTRIAL PARK
LARDEO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
5	20	58406	11/4 3000 A105 90EL S SA/A105 Al 0.024 C 0.200 Co 0.003 Cr 0.050 Cu 0.060 Mn 1.000 Mo 0.010 N 0.004 Nb 0.013 Ni 0.030 P 0.008 S 0.022 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 47,500 EL(%) 28.15 RA(%) 61.05 Brinell 141 BHN 144 BHN
6	20	58394	2 3000 A105 45EL S SA/A105 C 0.200 Cb 0.000 Co 0.002 Cr 0.030 Cu 0.100 Mn 0.990 Mo 0.010 Ni 0.030 P 0.007 S 0.019 Si 0.170 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 75,000 Y/S(PSI) 51,875 EL(%) 30.30 RA(%) 62.30 Brinell 135 BHN 135 BHN
7	20	58401	11/2 3000 A105 45EL S SA/A105 Al 0.024 C 0.200 Cb 0.000 Co 0.003 Cr 0.040 Cu 0.110 Mn 1.040 Mo 0.010 Ni 0.030 P 0.009 S 0.021 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 50,000 EL(%) 29.50 RA(%) 63.95 Brinell 144 BHN 144 BHN
8	20	58431	1/2 6000 A105 90EL S 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

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 Meloney Specht
Meloney Specht
QUALITY PROCESS MANAGER

CERTIFIED MILL TEST REPORT



LOG NO. F00000000021417 Page 3 of 5

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 11/14/2011

CUSTOMER ORDER NO.: 11560

BONNEY ORDER NO. B000108733

SHIP TO: AMERICAN DISPATCH
 302 QUIVIRA DR
 MODERN INDUSTRIAL PARK
 LARDEO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
9	10	58420	1 X1 X 3/4 3000 A105 TEE S SA/A105 C 0.220 Cb 0.000 Co 0.004 Cr 0.070 Cu 0.110 Mn 1.030 Mo 0.010 Ni 0.040 P 0.008 S 0.020 Si 0.180 V 0.004 CE(Long Formula) = 0.42 T/S(PSI) 79,375 Y/S(PSI) 51,875 EL(%) 29.60 RA(%) 63.75 Brinell 147 BHN 147 BHN
10	10	58352	2 X2 X 1 3000 A105 TEE S SA/A105 Al 0.022 C 0.200 Co 0.003 Cr 0.040 Cu 0.090 Mn 1.150 Mo 0.010 N 0.004 Nb 0.011 Ni 0.030 P 0.008 S 0.022 Si 0.180 V 0.005 CE(Long Formula) = 0.41 T/S(PSI) 77,500 Y/S(PSI) 51,875 EL(%) 29.15 RA(%) 62.30 Brinell 132 BHN 135 BHN
12	10	58477	11/2X11/2X 3/4 3M A105 TEE S SA/A105 Al 0.029 C 0.200 Co 0.003 Cr 0.050 Cu 0.170 Mn 1.020 Mo 0.010 N 0.003 Nb 0.014 Ni 0.040 P 0.008 S 0.023 Si 0.190 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 77,500 Y/S(PSI) 46,875 EL(%) 29.05 RA(%) 61.80 Brinell 150 BHN 147 BHN
13	20	58359	2 3000 A105 TEE S SA/A105 Al 0.027 C 0.200 Co 0.003 Cr 0.050 Cu 0.120 Mn 1.020 Mo 0.010 N 0.004 Nb 0.016 Ni 0.030 P 0.008 S 0.024 Si 0.180 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 76,250 Y/S(PSI) 48,750 EL(%) 31.30 RA(%) 61.80 Brinell 141 BHN 144 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 Meloney Specht
 Meloney Specht
 QUALITY PROCESS MANAGER

CERTIFIED MILL TEST REPORT



**The Best Value -
Price, Quality, Service
All The Time.**

LOG NO. F0000000021417

Page 4 of 5

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 11/14/2011

CUSTOMER

BONNEY ORDER NO. B000108733

ORDER NO.: 11560

SHIP TO: AMERICAN DISPATCH
302 QUIVIRA DR
MODERN INDUSTRIAL PARK
LARDEO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
14	50	58321	1 3000 A105 TEE T SA/A105 Al 0.022 C 0.200 Co 0.003 Cr 0.030 Cu 0.180 Mn 1.010 Mo 0.010 N 0.004 Nb 0.012 Ni 0.040 P 0.007 S 0.019 Si 0.190 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 76,875 Y/S(PSI) 52,500 EL(%) 28.45 RA(%) 62.55 Brinell 139 BHN 137 BHN
15	30	58394	11/2 3000 A105 TEE T SA/A105 C 0.200 Cb 0.000 Co 0.002 Cr 0.030 Cu 0.100 Mn 0.990 Mo 0.010 Ni 0.030 P 0.007 S 0.019 Si 0.170 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 75,000 Y/S(PSI) 51,875 EL(%) 30.30 RA(%) 62.30 Brinell 135 BHN 135 BHN
16	20	57716	1X1X3/4 3M HOT-DIP TEE T SA/A105 Al 0.028 C 0.200 Co 0.004 Cr 0.040 Cu 0.140 Mn 1.040 Mo 0.020 Nb 0.012 Ni 0.040 P 0.007 S 0.020 Si 0.230 V 0.000 CE(Long Formula) = 0.40 T/S(PSI) 81,250 Y/S(PSI) 51,375 EL(%) 29.10 RA(%) 59.80 Brinell 144 BHN 144 BHN
17	10	58193	4 -31/2X 11/2 3000 A105 THRD T SA/A105 Al 0.020 C 0.200 Co 0.004 Cr 0.030 Cu 0.090 Mn 1.070 Mo 0.010 N 0.005 Nb 0.014 Ni 0.030 P 0.007 S 0.019 Si 0.180 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 76,875 Y/S(PSI) 53,750 EL(%) 32.75 RA(%) 62.05 Brinell 153 BHN 150 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 Meloney Specht
Meloney Specht
QUALITY PROCESS MANAGER

CERTIFIED MILL TEST REPORT



The Best Value -
Price, Quality, Service
All The Time.

LOG NO. F0000000021417

Page 5 of 5

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 11/14/2011

CUSTOMER

BONNEY ORDER NO. B000108733

ORDER NO.: 11560

SHIP TO: AMERICAN DISPATCH
302 QUIVIRA DR
MODERN INDUSTRIAL PARK
LARDEO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
18	3	58265	5 -3 X 3/4 3000 A105 THRD T	SA/A105 Al 0.022 C 0.190 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.090 Mn 1.160 Mo 0.010 N 0.005 Nb 0.014 Ni 0.030 P 0.007 S 0.019 Si 0.190 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 79,500 Y/S(PSI) 55,000 EL(%) 27.00 RA(%) 64.00 Brinell 163 BHN 156 BHN
19	12	58270	5 -4 X 1 3000 A105 THRD T	SA/A105 Al 0.018 C 0.200 Co 0.003 Cr 0.030 Cu 0.150 Mn 1.010 Mo 0.010 N 0.005 Nb 0.014 Ni 0.040 P 0.007 S 0.017 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 74,500 Y/S(PSI) 51,000 EL(%) 30.00 RA(%) 68.00 Brinell 143 BHN 143 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 A105-10 / 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.

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 Meloney Specht
Meloney Specht
QUALITY PROCESS MANAGER

CMTR: REV2