

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 05/17/2010

**CUSTOMER
ORDER NO.:** 8154

BONNEY ORDER NO. B000074877

SHIP TO: AMERICAN DISPATCH
302 QUIVIRA DR
PANAM INDUSTRIAL PARK
LAREDO TX 78045
United States

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	20	57933	11/2X11/2X 1/2 3M A105 TEE T	SA/A105 Al 0.022 C 0.200 Co 0.002 Cr 0.030 Cu 0.120 Mn 1.040 Mo 0.010 Nb 0.016 Ni 0.030 P 0.007 S 0.022 Si 0.230 V 0.003 CE(Long Formula) = 0.39 T/S 77,500 Y/S 48,750 EL 29.55 RA 60.30 Brinell 141 BHN 144 BHN
2	10	57973	2 X2 X 3/4 3000 A105 TEE T	SA/A105 Al 0.027 C 0.200 Co 0.004 Cr 0.050 Cu 0.160 Mn 1.020 Mo 0.010 Nb 0.014 Ni 0.040 P 0.008 S 0.024 Si 0.200 Sn 0.010 V 0.004 CE(Long Formula) = 0.40 T/S 80,625 Y/S 51,250 EL 30.45 RA 60.55 Brinell 144 BHN 139 BHN
4	8	57784	2 X2 X 1/2 3000 A105 TEE T	SA/A105 Al 0.024 C 0.210 Co 0.002 Cr 0.030 Cu 0.110 Mn 1.050 Mo 0.010 Nb 0.015 Ni 0.020 P 0.012 S 0.021 Si 0.210 V 0.000 CE(Long Formula) = 0.40 T/S 79,500 Y/S 47,900 EL 29.00 RA 60.00 Brinell 179 BHN 179 BHN
5	50	57937	11/2 3000 A105 90EL S	SA/A105 Al 0.024 C 0.200 Co 0.004 Cr 0.050 Cu 0.120 Mn 1.060 Mo 0.010 Nb 0.014 Ni 0.040 P 0.007 S 0.020 Si 0.210 V 0.003 CE(Long Formula) = 0.40 T/S 75,625 Y/S 49,500 EL 31.20 RA 59.30 Brinell 139 BHN 132 BHN

PLESA ANAHUAC Y CIAS.
S.A. DE C.V.
R.F.C. PAC-040303-UY6
CARRETERA CARMEN-PUERTO REAL
KM. 10 + 190 RANCHO SAN ANTONIO EL LIMON
C.P. 24158 CD. DEL CARMEN, CAM.
TEL.: OFIC. (938) 131-05-99 FAX: 938 131-08-98
www.plesa.com.mx

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

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6	100	57965	3/4 3000 A105 90EL S SA/A105 Al 0.026 C 0.200 Co 0.003 Cr 0.040 Cu 0.100 Mn 1.050 Mo 0.010 Nb 0.016 Ni 0.020 P 0.008 S 0.020 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S 77,020 Y/S 50,505 EL 30.45 RA 61.92 Brinell 141 BHN 141 BHN
7	50	57990	1/2 3000 A105 90EL S SA/A105 Al 0.022 C 0.220 Cb 0.000 Co 0.030 Cr 0.030 Cu 0.070 Mn 1.020 Mo 0.010 Nb 0.014 Ni 0.020 P 0.008 S 0.023 Si 0.290 Sn 0.010 V 0.004 CE(Long Formula) = 0.40 T/S 78,750 Y/S 53,750 EL 29.95 RA 60.05 Brinell 135 BHN 137 BHN
8	50	57987	1 3000 A105 90EL S SA/A105 Al 0.019 C 0.200 Co 0.003 Cr 0.040 Cu 0.070 Mn 1.000 Mo 0.000 Nb 0.013 Ni 0.020 P 0.007 S 0.022 Si 0.220 Sn 0.010 V 0.003 T/S 77,500 Y/S 48,750 EL 34.65 RA 59.80 Brinell 153 BHN 153 BHN
9	100	57940	2 3000 A105 90EL S SA/A105 Al 0.024 C 0.200 Co 0.003 Cr 0.030 Cu 0.080 Mn 1.100 Mo 0.000 Nb 0.013 Ni 0.020 P 0.006 S 0.019 Si 0.230 V 0.000 CE(Long Formula) = 0.40 T/S 75,000 Y/S 50,000 EL 29.20 RA 60.30 Brinell 137 BHN 135 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
10	20	57846	11/2 3000 A105 45EL S SA/A105 Al 0.023 C 0.200 Cr 0.060 Cu 0.120 Mn 1.010 Mo 0.010 Nb 0.014 Ni 0.040 P 0.008 S 0.021 Si 0.260 V 0.000 CE(Long Formula) = 0.39 T/S 77,000 Y/S 53,750 EL 30.80 RA 59.80 Brinell 135 BHN 137 BHN
11	10	57999	2 6000 A105 TEE S SA/A105 Al 0.024 C 0.200 Cb 0.015 Co 0.004 Cr 0.030 Cu 0.110 Mn 1.020 Mo 0.010 Ni 0.030 P 0.008 S 0.020 Si 0.210 V 0.004 CE(Long Formula) = 0.39 T/S 76,250 Y/S 48,750 EL 32.00 RA 61.05 Brinell 139 BHN 139 BHN
12	20	57977	1 6000 A105 TEE S SA/A105 Al 0.023 C 0.200 Co 0.004 Cr 0.030 Cu 0.110 Mn 1.020 Mo 0.010 Nb 0.014 Ni 0.030 P 0.007 S 0.024 Si 0.190 Sn 0.010 V 0.004 CE(Long Formula) = 0.39 T/S 76,633 Y/S 50,251 EL 30.95 RA 61.36 Brinell 150 BHN 156 BHN
13	20	57910	1 6000 A105 90EL S SA/A105 Al 0.019 C 0.210 Co 0.002 Cr 0.040 Cu 0.030 Mn 1.040 Mo 0.000 Nb 0.014 Ni 0.010 P 0.012 S 0.022 Si 0.210 V 0.004 CE(Long Formula) = 0.39 T/S 77,500 Y/S 51,250 EL 30.30 RA 62.30 Brinell 132 BHN 135 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
14	20	57667	11/2 6000 A105 90EL S SA/A105 Al 0.027 C 0.200 Co 0.003 Cr 0.030 Cu 0.110 Mn 1.020 Mo 0.010 Nb 0.016 Ni 0.030 P 0.007 S 0.021 Si 0.240 V 0.000 CE(Long Formula) = 0.39 T/S 78,500 Y/S 48,800 EL 29.00 RA 63.00 Brinell 156 BHN 159 BHN
15	20	57979	2 6000 A105 90EL S SA/A105 Al 0.024 C 0.200 Co 0.003 Cr 0.060 Cu 0.110 Mn 1.080 Mo 0.010 Nb 0.015 Ni 0.030 P 0.007 S 0.024 Si 0.200 Sn 0.010 V 0.004 CE(Long Formula) = 0.40 T/S 78,125 Y/S 50,000 EL 29.95 RA 60.80 Brinell 141 BHN 141 BHN
16	50	57933	11/2X11/2X 3/4 3M A105 TEE T SA/A105 Al 0.022 C 0.200 Co 0.002 Cr 0.030 Cu 0.120 Mn 1.040 Mo 0.010 Nb 0.016 Ni 0.030 P 0.007 S 0.022 Si 0.230 V 0.003 CE(Long Formula) = 0.39 T/S 77,500 Y/S 48,750 EL 29.55 RA 60.30 Brinell 141 BHN 144 BHN
		57857	11/2X11/2X 3/4 3M A105 TEE T SA/A105 Al 0.025 C 0.200 Co 0.005 Cr 0.070 Cu 0.140 Mn 1.050 Mo 0.010 Nb 0.014 Ni 0.050 P 0.011 S 0.019 Si 0.190 V 0.001 CE(Long Formula) = 0.40 T/S 77,500 Y/S 51,875 EL 30.15 RA 55.45 Brinell 137 BHN 137 BHN


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17	20	57999	11/2 6000 A105 TEE T SA/A105 Al 0.024 C 0.200 Cb 0.015 Co 0.004 Cr 0.030 Cu 0.110 Mn 1.020 Mo 0.010 Ni 0.030 P 0.008 S 0.020 Si 0.210 V 0.004 CE(Long Formula) = 0.39 T/S 76,250 Y/S 48,750 EL 32.00 RA 61.05 Brinell 139 BHN 139 BHN
		57973	11/2 6000 A105 TEE T SA/A105 Al 0.027 C 0.200 Co 0.004 Cr 0.050 Cu 0.160 Mn 1.020 Mo 0.010 Nb 0.014 Ni 0.040 P 0.008 S 0.024 Si 0.200 Sn 0.010 V 0.004 CE(Long Formula) = 0.40 T/S 80,625 Y/S 51,250 EL 30.45 RA 60.55 Brinell 144 BHN 139 BHN

1. THE FITTINGS SUPPLIED ARE IN ACCORDANCE WITH PURCHASE ORDER SPECIFICATIONS.
2. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF BOTH NACE MRO103-2007 AND NACE MRO175/ISO 15156.
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.

**PLESA ANAHUAC Y CIAS.
S.A. DE C.V.**

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CMTR: REV2