

CERTIFIED MILL TEST REPORT



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

LOG NO. F00000000010588

Page 1 of 4

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 01/31/2011

CUSTOMER

BONNEY ORDER NO. B000089573

ORDER NO.: 9779

SHIP TO: AMERICA DISPATCH
302 QUIVIRA DR.
IND PARK
LAREDO TX 78045
United States

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
1	260	58149	1 6000 A105 90EL S SA/A105 Al 0.004 C 0.210 Cb 0.000 Co 0.000 Cr 0.172 Cu 0.210 Mn 0.920 Mo 0.120 N 0.009 Nb 0.008 Ni 0.163 P 0.010 S 0.028 Si 0.210 V 0.035 CE(Long Formula) = 0.45 T/S(PSI) 83,750 Y/S(PSI) 57,500 EL(%) 26.00 RA(%) 57.50 Brinell 159 BHN 162 BHN
2	2	58095	11/2 3000 HOT-DIP 45EL T SA/A105 Al 0.027 C 0.200 Cb 0.000 Co 0.003 Cr 0.050 Cu 0.210 Mn 1.000 Mo 0.010 N 0.005 Nb 0.013 Ni 0.050 P 0.015 S 0.023 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,750 Y/S(PSI) 49,375 EL(%) 30.35 RA(%) 61.80 Brinell 147 BHN 147 BHN
3	50	57953	1 3000 HOT-DIP 45EL T 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(PSI) 77,020 Y/S(PSI) 50,505 EL(%) 30.45 RA(%) 61.92 Brinell 141 BHN 141 BHN
4	20	58139	11/2 3000 HOT-DIP 90EL T SA/A105 Al 0.028 C 0.200 Co 0.003 Cr 0.060 Cu 0.160 Mn 0.990 Mo 0.010 N 0.004 Nb 0.014 Ni 0.040 P 0.013 S 0.019 Si 0.200 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 75,000 Y/S(PSI) 50,000 EL(%) 31.70 RA(%) 63.25 Brinell 135 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

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5	50	58163	1 3000 HOT-DIP 90EL T	SA/A105 Al 0.024 C 0.190 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.090 Mn 1.020 Mo 0.010 N 0.004 Nb 0.016 Ni 0.030 P 0.007 S 0.021 Si 0.250 V 0.004 CE(Long Formula) = 0.38 T/S(PSI) 75,126 Y/S(PSI) 47,979 EL(%) 29.75 RA(%) 62.88 Brinell 137 BHN 137 BHN
6	40	58170	3/4 3000 HOT-DIP 90EL T	SA/A105 Al 0.022 C 0.200 Cb 0.000 Co 0.004 Cr 0.030 Cu 0.090 Mn 1.060 Mo 0.010 N 0.003 Nb 0.015 Ni 0.040 P 0.007 S 0.018 Si 0.190 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 80,000 Y/S(PSI) 46,875 EL(%) 30.00 RA(%) 62.30 Brinell 156 BHN 150 BHN
7	20	58096	1 3000 HOT-DIP TEE T	<i>T-20s 3000/SA/A105-5F</i> SA/A105 Al 0.023 C 0.200 Cb 0.000 Co 0.004 Cr 0.040 Cu 0.150 Mn 0.990 Mo 0.010 N 0.004 Nb 0.013 Ni 0.050 P 0.010 S 0.021 Si 0.210 Sn 0.010 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 74,375 Y/S(PSI) 48,750 EL(%) 31.50 RA(%) 63.25 Brinell 137 BHN 141 BHN
8	20	58103	3/4 3000 HOT-DIP TEE T	SA/A105 Al 0.024 C 0.210 Cb 0.000 Co 0.004 Cr 0.030 Cu 0.080 Mn 1.070 Mo 0.010 N 0.003 Nb 0.013 Ni 0.030 P 0.006 S 0.021 Si 0.200 V 0.004 CE(Long Formula) = 0.40 T/S(PSI) 78,750 Y/S(PSI) 51,250 EL(%) 31.30 RA(%) 64.90 Brinell 156 BHN 159 BHN

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Page 3 of 4

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IND PARK

LAREDO TX 78045

United States

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
9	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
10	20	4510	1 3000 HOT-DIP UNAR T	SA/A105 Al 0.029 C 0.200 Co 0.004 Cr 0.040 Cu 0.140 Mn 0.990 Mo 0.010 Nb 0.014 Ni 0.050 P 0.006 S 0.020 Si 0.230 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 78,300 Y/S(PSI) 50,000 EL(%) 28.00 RA(%) 43.50 Brinell 156 BHN 156 BHN
		4572	1 3000 HOT-DIP UNAR T	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(PSI) 79,100 Y/S(PSI) 48,100 EL(%) 28.00 RA(%) 44.20 Brinell 156 BHN 156 BHN
		4464	1 3000 HOT-DIP UNAR T	SA/A105 Al 0.023 C 0.200 Co 0.003 Cr 0.040 Cu 0.130 Mn 1.020 Mo 0.010 Nb 0.013 Ni 0.040 P 0.007 S 0.019 Si 0.200 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 78,300 Y/S(PSI) 49,100 EL(%) 34.00 RA(%) 60.90 Brinell 159 BHN 163 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.
CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:			

	4480	1 3000 HOT-DIP UNAR T	SA/A105
	NUT-MH	Al 0.027 C 0.195 Cr 0.110 Cu 0.100 Mn 1.000 Mo 0.030 Ni 0.100 P 0.010 S 0.020 Si 0.260 V 0.002 CE(Long Formula) = 0.40 T/S(PSI) 78,500 Y/S(PSI) 45,700 EL(%) 34.00 RA(%) 68.00 Brinell 152 BHN 152 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. 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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CMTR: REV2