

**CERTIFIED MILL TEST REPORT**



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

LOG NO. F00000000012157

Page I of 6

**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** 03/15/2011

**CUSTOMER**


**BONNEY ORDER NO.** B000093131

**ORDER NO.:** 10160

**SHIP TO:** AMERICA DISPATCH  
302 QUIVIRA DR  
INDUSTRIAL PARK  
LAREDO TX 78045

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:							
1	3	58248	2 6000 A105 TEE S	SA/A105							
				Al 0.020	C 0.190	Cb 0.000	Co 0.002	Cr 0.020	Cu 0.080	Mn 1.020	Mo 0.000
				N 0.005	Nb 0.016	Ni 0.020	P 0.009	S 0.016	Si 0.200	V 0.003	
				T/S(PSI) 75,758	Y/S(PSI) 50,505	EL(%) 29.20	RA(%) 61.92				
				Brinell	141 BHN	137 BHN					
1	17	58248	2 6000 A105 TEE S	SA/A105							
				Al 0.020	C 0.190	Cb 0.000	Co 0.002	Cr 0.020	Cu 0.080	Mn 1.020	Mo 0.000
				N 0.005	Nb 0.016	Ni 0.020	P 0.009	S 0.016	Si 0.200	V 0.003	
				T/S(PSI) 75,758	Y/S(PSI) 50,505	EL(%) 29.20	RA(%) 61.92				
				Brinell	141 BHN	137 BHN					
2	1	58226	11/2X11/2X1 3M HOT-DIP TEE T	SA/A105							
				Al 0.025	C 0.200	Co 0.004	Cr 0.040	Cu 0.120	Mn 1.010	Mo 0.010	N 0.005
				Nb 0.014	Ni 0.040	P 0.007	S 0.020	Si 0.190	V 0.004		
				CE(Long Formula) = 0.39							
				T/S(PSI) 81,250	Y/S(PSI) 50,000	EL(%) 28.50	RA(%) 59.55				
				Brinell	153 BHN	153 BHN					
2	19	58226	11/2X11/2X1 3M HOT-DIP TEE T	SA/A105							
				Al 0.025	C 0.200	Co 0.004	Cr 0.040	Cu 0.120	Mn 1.010	Mo 0.010	N 0.005
				Nb 0.014	Ni 0.040	P 0.007	S 0.020	Si 0.190	V 0.004		
				CE(Long Formula) = 0.39							
				T/S(PSI) 81,250	Y/S(PSI) 50,000	EL(%) 28.50	RA(%) 59.55				
				Brinell	153 BHN	153 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  
 QUALITY PROCESS MANAGER

CMTR: REV2

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				Al	C	CE	T/S	Y/S	EL	RA	Brinell
3	20	58165	2 X 2 X 11/2 3M HOT-DIP TEE T SA/A105	0.028	0.200	0.39	80,402	50,879	31.05	60.35	150 BHN 153 BHN
4	5	58231	2 X2 X 1/2 3000 A105 TEE S SA/A105	0.023	0.200	0.39	72,500	48,125	29.55	62.05	132 BHN 132 BHN
5	50	58125	11/2 3000 HOT-DIP 90EL T SA/A105	0.022	0.200	0.39	76,875	48,750	30.55	61.05	147 BHN 147 BHN
6	30	58201	2 3000 HOT-DIP 90EL T SA/A105	0.025	0.200	0.39	77,500	51,250	32.00	62.30	144 BHN 147 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
		58023	2 3000 HOT-DIP 90EL T SA/A105 C 0.200 Cb 0.000 Co 0.003 Cr 0.030 Cu 0.130 Mn 1.020 Mo 0.010 N 0.005 Nb 0.013 Ni 0.030 P 0.008 S 0.023 Si 0.220 Sn 0.010 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 77,500 Y/S(PSI) 48,750 EL(%) 30.10 RA(%) 61.30 Brinell 147 BHN 150 BHN
		58166	2 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
7	130	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	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

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**ORDER NO.:** 10160

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
8	100	4625	1/2 3000 A105 UNAR T SA/A105
		MALE	Al 0.022 C 0.210 Cb 0.000 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(PSI) 78,700 Y/S(PSI) 48,300 EL(%) 37.00 RA(%) 61.60 Brinell 163 BHN 163 BHN
		4705	1/2 3000 A105 UNAR T SA/A105
		FEMALE	Al 0.026 C 0.200 Co 0.005 Cr 0.060 Cu 0.170 Mn 1.070 Mo 0.010 N 0.006 Nb 0.012 Ni 0.050 P 0.014 S 0.019 Si 0.190 V 0.005 CE(Long Formula) = 0.41 T/S(PSI) 78,400 Y/S(PSI) 49,000 EL(%) 33.50 RA(%) 44.50 Brinell 154 BHN 152 BHN
9	100	4796	1/2 3000 A105 UNAR T SA/A105
		NUT-EJ	Al 0.024 C 0.185 Cb 0.000 Co 0.000 Cr 0.130 Cu 0.160 Mn 0.960 Mo 0.040 N 0.007 Ni 0.100 P 0.012 S 0.020 Si 0.240 V 0.002 CE(Long Formula) = 0.40 T/S(PSI) 75,709 Y/S(PSI) 53,228 EL(%) 31.00 RA(%) 55.00 Brinell 175 BHN 180 BHN
		4706	3/4 3000 A105 UNAR T SA/A105
		MALE	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) 76,700 Y/S(PSI) 46,400 EL(%) 34.00 RA(%) 58.40 Brinell 154 BHN 156 BHN

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
		4701	3/4 3000 A105 UNAR T	SA/A105
		FEMALE	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) 78,000 Y/S(PSI) 49,500 EL(%) 30.00 RA(%) 43.40 Brinell 156 BHN 156 BHN	
		4746	3/4 3000 A105 UNAR T	SA/A105
		NUT	Al 0.020 C 0.200 Cb 0.000 Co 0.005 Cr 0.040 Cu 0.160 Mn 1.000 Mo 0.010 N 0.006 Nb 0.012 Ni 0.040 P 0.007 S 0.021 Si 0.180 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 75,000 Y/S(PSI) 42,400 EL(%) 30.00 RA(%) 36.00 Brinell 149 BHN 146 BHN	
		4744	3/4 3000 A105 UNAR T	SA/A105
		NUT-GZ	Al 0.023 C 0.185 Cr 0.140 Cu 0.120 Mn 0.990 Mo 0.030 Nb 0.001 Ni 0.100 P 0.012 S 0.024 Si 0.240 V 0.003 CE(Long Formula) = 0.40 T/S(PSI) 78,125 Y/S(PSI) 46,250 EL(%) 33.25 RA(%) 66.75 Brinell 150 BHN 150 BHN	
		4509	3/4 3000 A105 UNAR T	SA/A105
		NUT-GU	Al 0.020 C 0.180 Cr 0.190 Cu 0.120 Mn 1.000 Mo 0.030 Nb 0.010 Ni 0.080 P 0.016 S 0.023 Si 0.260 V 0.002 CE(Long Formula) = 0.40 T/S(PSI) 80,000 Y/S(PSI) 47,200 EL(%) 29.00 RA(%) 70.00 Brinell 159 BHN 156 BHN	

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LAREDO TX 78045

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