

CERTIFIED MILL TEST REPORT



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BONNEY FORGE CORPORATION

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CUSTOMER: WFI INTERNATIONAL, INC.

DATE 03/31/2015

CUSTOMER

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C1513782

SHIP TO: AMERICA DISPATCH
302 QUIVIRA DRIVE
LAREDO TX 78045
United States

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
4	200	59751	11/2 3000 A105 90EL S SA/A105 Al 0.023 C 0.220 Cb 0.000 Co 0.003 Cr 0.040 Cu 0.020 Mn 1.040 Mo 0.003 Nb 0.014 Ni 0.020 P 0.005 S 0.021 Si 0.220 V 0.003 CE(Long Formula) = 0.41 T/S(PSI) 76,930 Y/S(PSI) 49,099 EL(%) 32.40 RA(%) 63.38 Brinell 147 BHN 144 BHN
5	100	59701	1/2 3000 A105 90EL S SA/A105 Al 0.028 C 0.210 Co 0.003 Cr 0.070 Cu 0.070 Mn 1.040 Mo 0.005 N 0.003 Nb 0.012 Ni 0.020 P 0.006 S 0.020 Si 0.180 V 0.003 CE(Long Formula) = 0.40 T/S(PSI) 74,321 Y/S(PSI) 50,677 EL(%) 33.90 RA(%) 62.75 Brinell 135 BHN 135 BHN

1. THE MATERIAL SUPPLIED IS FREE FROM MERCURY AND RADIUM CONTAMINATION.
2. THE FITTINGS SUPPLIED ARE IN ACCORDANCE WITH PURCHASE ORDER SPECIFICATIONS.
3. THE MATERIAL SUPPLIED MEETS THE REQUIREMENTS OF NACE MRO175/ISO 15156-2.
4. CERTIFYING ASTM A105-14 / ASME SA105-13 EDITION.
5. THE FITTINGS SUPPLIED WERE NOT SUBJECTED TO ANY FORM OF WELD REPAIR.
6. THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
7. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.
8. THE MATERIAL SUPPLIED IS IN THE AS-FORGED CONDITION.

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

Kylee Ruiz
QUALITY PROCESS MANAGER