

CERTIFIED MILL TEST REPORT



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

LOG NO. F00000000063719

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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: WFI INTERNATIONAL, INC.

DATE 09/25/2014

CUSTOMER

BONNEY ORDER NO. B000174184

ORDER NO.: BD00070829

PO# 272

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

C1413444

ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO.	CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
2	4	6477	11/2 X 3/4 3000 LF2 REDU S	SA/A350 LF2 CL1 Al 0.025 C 0.200 Co 0.004 Cr 0.040 Cu 0.060 Mn 1.020 Mo 0.006 N 0.004 Nb 0.013 Ni 0.030 P 0.009 S 0.021 Si 0.220 V 0.004 CE(Long Formula) = 0.39 T/S(PSI) 75,005 Y/S(PSI) 48,522 EL(%) 31.80 RA(%) 62.26 Brinell 135 BHN 130 BHN Charpy -50 F 66/49/70 (Ft-Lbs) Average 61.70
3	10	6734	11/2 X 11/4 3000 LF2 REDU S	SA/A350 LF2 CL1 Al 0.020 C 0.200 Co 0.003 Cr 0.020 Cu 0.050 Mn 1.030 Mo 0.003 N 0.003 Nb 0.014 Ni 0.020 P 0.004 S 0.016 Si 0.240 V 0.003 CE(Long Formula) = 0.38 T/S(PSI) 73,691 Y/S(PSI) 49,441 EL(%) 33.80 RA(%) 63.47 Brinell 132 BHN 130 BHN Charpy -50 F 55/45/51 (Ft-Lbs) Average 50.30
5	2	6423	11/2 3000 LF2 CAP S	SA/A350 LF2 CL1 Al 0.019 C 0.200 Co 0.003 Cr 0.040 Cu 0.060 Mn 1.030 Mo 0.005 N 0.003 Nb 0.015 Ni 0.020 P 0.009 S 0.019 Si 0.220 V 0.003 CE(Long Formula) = 0.39 T/S(PSI) 74,091 Y/S(PSI) 50,255 EL(%) 33.85 RA(%) 57.81 Brinell 135 BHN 132 BHN Charpy -50 F 22/25/23 (Ft-Lbs) Average 23.30

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

CMTR: REV2

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ITEM	QUANTITY	LOT NO.	GRADE OR SPECIFICATION NO. CHEMICAL ANALYSIS, PHYSICAL PROPERTIES, REMARKS:
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1. THE MATERIAL SUPPLIED IS FREE FROM MERCURY AND RADIUM CONTAMINATION.
2. THE FITTINGS SUPPLIED ARE IN ACCORDANCE WITH PURCHASE ORDER SPECIFICATIONS.
3. CERTIFYING TO ASTM A350 LF2 07 REVISION.
4. THE MATERIAL OF THE FITTINGS SUPPLIED IS ASTM A350-LF2 BUT MEETS THE REQUIREMENTS OF ASME SA350-LF2.
5. THE CHARPY V-NOTCH IMPACT TEST WAS PERFORMED AT -50 DEGREES FAHRENHEIT IN ACCORDANCE WITH A350-LF2.
6. THE MATERIAL SUPPLIED AS A350 LF2 CL1 MEETS THE REQUIREMENTS OF BOTH NACE MRO103-2007 AND NACE MRO175/ISO 15156-2.
7. THE MATERIAL SUPPLIED WAS NORMALIZED IN ACCORDANCE WITH ASTM A350 HEAT TREATING REQUIREMENTS.
8. THE FITTINGS SUPPLIED WERE NOT SUBJECTED TO ANY FORM OF WELD REPAIR.
9. THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH EN 10204:2004 EDITION TYPE 3.1 INSPECTION DOCUMENT. (EUROPEAN STANDARD)
10. ELONGATION TEST RESULTS ARE OBTAINED USING STANDARD ROUND SPECIMEN, 2 INCH OR 50 MM GAGE LENGTH.

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by

Kylee Ruiz

QUALITY PROCESS MANAGER

CMTR: REV2