

LFO0017 (Aceros de grado)

CERTIFIED MILL TEST REPORT

100% MELTED AND MANUFACTURED IN U.S.A.
All shapes produced by Nucor-Yamato Steel are cast and rolled to a fully killed and fine grain practice.

DATE	7/02/11
INVOICE NO.	420066
BIN OF LADING	29819
CUSTOMER NO.	4829
CUSTOMER P.O.	4500078551

NUCOR-YAMATO STEEL CO.
P.O. BOX 1228 • BLYTHEVILLE, AR 72316

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ACEROS DE GRADO C/O GULF STREAM MAR
PORT OF BROWNSVILLE
BROWNSVILLE, TX

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ASTM A992/A992M-06a A512/A512M GR50-01
ASTM A709/A709M-09 GR50 (345)
ASTM A709/A709M-09 GR50S (345S)
ASTM A6/AGM-09

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ACEROS DE GRADO, SA DE CV
AV FELIX U GOMEZ 2828 NTE. COL MODER
RFC AGR0811247V9
MONTERREY, NL CP 64530

ITEM #	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES						CHEMICAL PROPERTIES											
				YIELD TO TENSILE RATIO	YIELD STRENGTH PSI	TENSILE STRENGTH PSI	ELONG %	TEMP °F	IMPACT ENERGY FT-LBS	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE
1	W10 39.0 40' W250 x 58.0 12.192 M	1	366643	.77	54000	70000	25			.08	1.00	.015	.031	.25	.32	.10	.10	.03	.00	.016	.31
2	W10 39.0 40' W250 x 58.0 12.192 M	3	366645	.78	56000	72000	24			.07	1.02	.016	.031	.24	.29	.11	.14	.04	.00	.016	.31
3	W10 39.0 40' W250 x 58.0 12.192 M	1	366647	.75	54000	72000	24			.08	1.01	.017	.035	.23	.31	.10	.12	.03	.00	.016	.31
4	W10 39.0 40' W250 x 58.0 12.192 M	9	367862	.76	52000	68000	28			.08	.93	.011	.030	.26	.28	.10	.08	.02	.00	.016	.29
5	W10 39.0 40' W250 x 58.0 12.192 M	57	368038	.77	55000	71000	27			.07	1.00	.016	.026	.22	.31	.12	.10	.03	.00	.018	.30
6	W10 39.0 40' W250 x 58.0 12.192 M	11	368040	.79	56000	71000	27			.07	1.00	.015	.027	.29	.32	.11	.10	.03	.00	.017	.30
7	W10 39.0 40' W250 x 58.0 12.192 M	3	368143	.76	53000	70000	27			.08	.95	.017	.035	.24	.33	.12	.12	.04	.00	.015	.30
8	W10 49.0 40' W250 x 73.0 12.192 M	28	367643	.77	54000	70000	26			.07	1.00	.021	.033	.26	.40	.11	.12	.03	.00	.014	.30
9	W10 49.0 40' W250 x 73.0 12.192 M	5	367645	.79	55000	70000	27			.08	1.01	.023	.032	.25	.36	.10	.13	.03	.00	.015	.31

ELONGATION BASED ON 8.00 INCH GAUGE LENGTH

I hereby certify that the contents of this report are accurate and correct. All test results and operations performed by this material manufacturer are in compliance with the requirements of the material specifications listed in the Specifications Block above.

Gay Kennell

QUALITY ASSURANCE

CUSTOMER COPY

STATE OF ARKANSAS COUNTY OF MISSISSIPPI
SWORN TO AND SUBSCRIBED BEFORE ME

5 Day of 07/11

Charlene Wallis NOTARY PUBLIC

MY COMMISSION EXPIRES 10/21/2013

