

**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.

SPECIFICATIONS

GRADE: ASTM A372GR50-01  
ASTM A709/A709M-01b GR50 (345)

9189

ASTM A6/A6M-02b

*Dr. Dominguez*

**NUCOR-YAMATO STEEL CO.**

P.O. BOX 1228 • BLYTHEVILLE, AR 72316

S: DELFIN GRUPO PROFESIONAL, SC  
H: SR DELFIN 210-723-5228  
P: 1207 UNIROYAL DRIVE  
LAREDO, TX

DATE	1/24/05
INVOICENO.	914515
BILL OF LADING	713410
CUSTOMER NO.	3446
CUSTOMER P.O.	BERND 12/01

S: FERRE BARNIEDO, S.A. DE C.V.  
L: AV REVOLUCION NO 81  
D: SAN CRISTOBAL ECATEPEC  
T: EDO DE MEXICO 55000-0000

S:  
H:  
P:  
T:

S:  
H:  
P:  
T:

ITEM #	ITEM DESCRIPTION	QTY	HEAT #	MECHANICAL PROPERTIES						CHEMICAL PROPERTIES														
				YIELD TO TENSILE RATIO	YIELD STRENGTH	TENSILE STRENGTH	ELONG %	CHARPY IMPACT		C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Cb	CE			
					PSI	MPa		PSI	MPa													TEMP °F	IMPACT ENERGY FT-LBS	
1	L08 - 38.9 40' 8 x 8 x 3/4 L203x203x19.0 12.192 M	4	246937	.70	51000	73000	26					.09	1.08	.017	.032	.22	.35	.14	.14	.02	.01	.016	.33	
				.73	53000	73000	26													.01	.18			
					352	503	26																	
					365	503	26																	
2	L08 - 38.9 40' L8 x 8 x 3/4 L203x203x19.0 12.192 M	4	247146	.71	50000	70000	26					.06	1.07	.016	.032	.27	.33	.12	.13	.03	.00	.019	.30	
				.78	54000	69000	26														.01	.15		
					345	483	26																	
					372	476	26																	
3	L08 - 38.9 40' L8 x 8 x 3/4 L203x203x19.0 12.192 M	12	248436	.72	51000	71000	28					.08	1.12	.014	.037	.28	.27	.11	.12	.02	.00	.015	.33	
				.72	51000	71000	26														.01	.17		
					352	490	28																	
					352	490	26																	
4	L08 - 38.9 40' L8 x 8 x 3/4 L203x203x19.0 12.192 M	8	248438	.71	53000	75000	27					.07	1.14	.014	.030	.30	.34	.12	.09	.02	.00	.021	.31	
				.74	53000	72000	26														.01	.16		
					365	517	27																	
					365	496	26																	
5	L08 - 38.9 40' L8 x 8 x 3/4 L203x203x19.0 12.192 M	4	248440	.71	50000	70000	27					.07	1.10	.013	.028	.27	.32	.11	.09	.03	.01	.016	.31	
				.73	52000	71000	29														.01	.16		
					345	483	27																	
					359	490	29																	
6	L08 - 38.9 40' 8 x 8 x 3/4 L203x203x19.0 12.192 M	20	248680	.71	54000	76000	23					.09	1.22	.017	.034	.27	.33	.14	.15	.03	.00	.024	.36	
				.74	56000	76000	23														.01	.19		
					372	524	23																	
					385	524	23																	
7	L08 - 38.9 40' L8 x 8 x 3/4 L203x203x19.0 12.192 M	24	248685	.68	51000	75000	25					.08	1.26	.023	.040	.25	.34	.14	.16	.03	.01	.025	.36	
				.68	51000	75000	23														.01	.18		
					352	517	25																	
					352	517	23																	

CARBON EQUIVALENT: CE = (C/12) + (Mn/6) + (Cr/5) + (Ni/15) + (Cu/12)

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, and when designated by the purchaser, meet the applicable specifications.

*Ray Linnell*

QUALITY ASSURANCE

CUSTOMER COPY

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

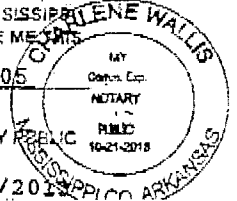
24 Day of 01/05

*Charlene Wallis*

NOTARY PUBLIC

MY COMMISSION EXPIRES

10/21/2013



MY COMMISSION EXPIRES 10/21/2013

