

NUCOR

NUCOR STEEL TUSCALOOSA, INC.

MILL TEST CERTIFICATE

1700 Holt Road NE
Tuscaloosa, AL 35404
800-827-8872

LOAD NUMBER 321276 TALLY 00000000238021 MILL ORDER NUMBER N-079691-004 CERT NUMBER L152496 Page: 1

ORDER DESCRIPTION A36, 0.2500 IN, 96.000 IN, 240.000 IN, 96.0000, 240.0000

QUALITY PLAN DESCRIPTION A36/SAS36/A70936: ASTM A36 01/ASME SAS36 01/ASTM A709-36 01b

CUSTOMER Sold to: DUFERCO STEEL INC Metawan NJ
Ship to: DUFERCO STEEL INC LAREDO TX
CUSTOMER ORDER NUMBER 1003010025 DATE Prepared: 09/12/2005 05:52

Shipped Item	Is certified by Sample	Heat Number	Carb	Mang	Phos	Sul	sil	Copper	Nickel	Chrome	Moly	Chk(Mb)	Van	Al	Ti	N2	Ca	B	Sn
5H2596C	ASV2110	ASV2110 ***	0.18	0.46	0.010	0.005	0.07	0.20	0.05	0.05	0.014	0.000	0.002	0.027	0.002	0.010	.0025	.0001	0.0104
5H2596C	SSH2596FTT	ASV2110	51.3	76.0		29.7													
5H2596C	SSH2596MTT	ASV2110	44.8	67.3		33.0													

MERCURY HAS NOT COME IN CONTACT WITH THIS PRODUCT DURING THE MANUFACTURING PROCESS NOR HAS ANY MERCURY BEEN USED BY THE MANUFACTURING PROCESS

CERTIFIED IN ACCORDANCE WITH "EN 10204 3.1.8"

Items: 1 Pieces: 8 Net Wt: 13068 LBS
*** indicates heats melted and manufactured in the U.S.A.

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED ABOVE PASSED ALL OF THE TESTS REQUIRED BY THE SPECIFICATIONS

Richard Yu
CHIEF METALLURGIST

MILL TEST CERTIFICATE

1700 Holt Road NE
Tuscaloosa, AL 35404
800-827-8872

LOAD NUMBER: 321276 TALLY: 00000000238020 MILL ORDER NUMBER: N-079691-002 CERT NUMBER: L152495 Page: 1

ORDER DESCRIPTION: A36, 0.6250 IN, 72.000 IN, 240.000 IN, 72.0000, 240.0000

QUALITY PLAN DESCRIPTION: A36/SA36/AV70936: ASTM A36 01/ASME SA36 01/ASTM A709-36 01b

CUSTOMER: Sold to: DUFERCO STEEL INC Mataman NJ
Ship to: DUFERCO STEEL INC LAREDO TX
CUSTOMER ORDER NUMBER: 1003010025 DATE Prepared: 09/12/2005 05:51

Shipped Item	Is certified by Sample	Heat Number	Carb	Mang	Phos	Sul	Sil	Copper	Nickel	Chrome	Moly	Co(Nb)	Van	Al	Ti	N2	Ca	B	Sn
5H19488	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1948C	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1950C	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1950D	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1950E	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1950E	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1951B	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1951C	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088
5H1951D	B5U7105	B5U7105	0.21	0.81	0.009	0.001	0.08	0.23	0.07	0.05	0.023	0.000	0.003	0.056	0.003	0.009	.0009	.0002	0.0088

Shipped Item	Is certified by Sample	Heat Number	Yield Mpa	Tensile Mpa	Elong % 50mm 200mm	% Red area	Bend test	Hard	Charpy			Tested at Deg. C	Min Avg Joules
									1	2	3		
5H1948B	S5H1947FTT	B5U7105	317.9	490.9	39.1								
5H1948B	S5H1951FTT	B5U7105	336.5	523.3	39.1								
5H1948B	S5H1947MTT	B5U7105	297.2	473.7	37.0								
5H1948B	S5H1951MTT	B5U7105	314.4	493.7	38.3								
5H1948C	S5H1947FTT	B5U7105	317.9	490.9	39.1								
5H1948C	S5H1951FTT	B5U7105	336.5	523.3	39.1								
5H1948C	S5H1947MTT	B5U7105	297.2	473.7	37.0								
5H1948C	S5H1951MTT	B5U7105	314.4	493.7	38.3								
5H1950C	S5H1947FTT	B5U7105	317.9	490.9	39.1								
5H1950C	S5H1951FTT	B5U7105	336.5	523.3	39.1								
5H1950C	S5H1947MTT	B5U7105	297.2	473.7	37.0								
5H1950C	S5H1951MTT	B5U7105	314.4	493.7	38.3								
5H1950D	S5H1947FTT	B5U7105	317.9	490.9	39.1								
5H1950D	S5H1951FTT	B5U7105	336.5	523.3	39.1								

Items: 8 Pieces: 48 Net Wt: 66686 KG
*** indicates heats melted and manufactured in the U.S.A.

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED ABOVE PASSED ALL OF THE TESTS REQUIRED BY THE SPECIFICATIONS

Paula V
CHIEF METALLURGIST

MILL TEST CERTIFICATE

1700 Holt Road NE
Tuscaloosa, AL 35404
800-827-8872

LOAD NUMBER 321276 TALLY 0000000238020 MILL ORDER NUMBER N-079691-002 CERT NUMBER 1152495 Page: 2

ORDER DESCRIPTION A36, 0.6250 IN, 72.000 IN, 240.000 IN, 72.0000, 240.0000

QUALITY PLAN DESCRIPTION A36/SA36/A70936: ASTM A36 01/ASME SA36 01/ASTM A709-36 01b

CUSTOMER Sold to: DUFERCO STEEL INC Matamoras NJ
Ship to: DUFERCO STEEL INC LAREDO TX
CUSTOMER ORDER NUMBER 1003010025

DATE Prepared: 09/12/2005 05:51

Shipped Item	Is certified by Sample	Heat Number	Yield Mpa	Tensile Mpa	Elong %		% Red area	Bend test	Hard	Charpy			Tested at Deg. C	Min Avg Joules
					50mm	200mm				1	2	5		
5H1950D	SSH1947MTT	BSU7105	297.2	473.7	37.0									
5H1950D	SSH1951MTT	BSU7105	314.4	493.7	38.3									
5H1950E	SSH1947FTT	BSU7105	317.9	490.9	39.1									
5H1950E	SSH1951FTT	BSU7105	336.5	523.3	39.1									
5H1950E	SSH1947MTT	BSU7105	297.2	473.7	37.0									
5H1950E	SSH1951MTT	BSU7105	314.4	493.7	38.3									
5H1951B	SSH1951FTT	BSU7105	336.5	523.3	39.1									
5H1951B	SSH1951MTT	BSU7105	314.4	493.7	38.3									
5H1951C	SSH1951FTT	BSU7105	336.5	523.3	39.1									
5H1951C	SSH1951MTT	BSU7105	314.4	493.7	38.3									
5H1951D	SSH1951FTT	BSU7105	336.5	523.3	39.1									
5H1951D	SSH1951MTT	BSU7105	314.4	493.7	38.3									

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Robert Yu
CHIEF METALLURGIST