

MILL TEST CERTIFICATE

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

LOAD NUMBER 321274 TALLY 00000000238017 MILL ORDER NUMBER N-079693-001 CERT NUMBER L152664 Page: 1

ORDER DESCRIPTION A283 C, 0.3125 IN, 96.000 IN, 240.000 IN, 96.0000, 240.0000
QUALITY PLAN DESCRIPTION ASTM A283-C: ASTM A283-C-03
CUSTOMER Sold to: DUFERCO STEEL INC Matawan NJ
Ship to: DUFERCO STEEL INC LAREDO TX
CUSTOMER ORDER NUMBER 1003010024
DATE Prepared: 09/10/2005 12:41

Shipped Item	Is certified by Sample	Heat Number	Carb	Hang	Phos	Sul	Sil	Copper	Nickel	Chrome	Moly	Ch(Mb)	Van	Al	Ti	N2	Ca	B	Sn
5H2448C	ASV2100	ASV2100 ***	0.19	0.45	0.010	0.007	0.05	0.24	0.06	0.04	0.017	0.000	0.002	0.031	0.002	0.009	.0016	.0001	0.0072
5H2448D	ASV2100	ASV2100 ***	0.19	0.45	0.010	0.007	0.05	0.24	0.06	0.04	0.017	0.000	0.002	0.031	0.002	0.009	.0016	.0001	0.0072
5H2449B	ASV2100	ASV2100 ***	0.19	0.45	0.010	0.007	0.05	0.24	0.06	0.04	0.017	0.000	0.002	0.031	0.002	0.009	.0016	.0001	0.0072
5H2449C	ASV2100	ASV2100 ***	0.19	0.45	0.010	0.007	0.05	0.24	0.06	0.04	0.017	0.000	0.002	0.031	0.002	0.009	.0016	.0001	0.0072
5H2450B	BSV7171	BSV7171 ***	0.19	0.42	0.011	0.008	0.03	0.22	0.06	0.04	0.018	0.000	0.002	0.027	0.001	0.009	.0012	.0001	0.0069
5H2450C	BSV7171	BSV7171 ***	0.19	0.42	0.011	0.008	0.03	0.22	0.06	0.04	0.018	0.000	0.002	0.027	0.001	0.009	.0012	.0001	0.0069
5H2448B	ASV2100	ASV2100 ***	0.19	0.45	0.010	0.007	0.05	0.24	0.06	0.04	0.017	0.000	0.002	0.031	0.002	0.009	.0016	.0001	0.0072

Shipped Item	Is certified by Sample	Heat Number	Yield Hpa	Tensile Mpa	Elong % 50mm	Elong % 200mm	% Red area	Bend test	Hard	Charpy			Tested at Deg. C	Min Avg Joules
										1	2	3		
5H2448C	SSH2445FTT	ASV2100	286.1	429.6	36.9									
5H2448C	SSH2446FTT	ASV2100	306.1	462.0	33.3									
5H2448C	SSH2445MTT	ASV2100	275.1	421.3	35.8									
5H2448C	SSH2446MTT	ASV2100	273.0	415.1	35.5									
5H2448D	SSH2445FTT	ASV2100	286.1	429.6	36.9									
5H2448D	SSH2446FTT	ASV2100	306.1	462.0	33.3									
5H2448D	SSH2445MTT	ASV2100	275.1	421.3	35.8									
5H2448D	SSH2446MTT	ASV2100	273.0	415.1	35.5									
5H2449B	SSH2445FTT	ASV2100	286.1	429.6	36.9									
5H2449B	SSH2446FTT	ASV2100	306.1	462.0	33.3									
5H2449B	SSH2445MTT	ASV2100	275.1	421.3	35.8									
5H2449B	SSH2446MTT	ASV2100	273.0	415.1	35.5									
5H2449C	SSH2445FTT	ASV2100	286.1	429.6	36.9									
5H2449C	SSH2446FTT	ASV2100	306.1	462.0	33.3									
5H2449C	SSH2445MTT	ASV2100	275.1	421.3	35.8									

Items: 7 Pieces: 64 Net Wt: 59276 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

[Signature]
CHIEF METALLURGIST

MILL TEST CERTIFICATE

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

LOAD NUMBER 321274 TALLY 0000000238017 MILL ORDER NUMBER N-079693-001 CERT NUMBER L152464 Page: 2

ORDER DESCRIPTION A283 C, 0.3125 IN, 96.000 IN, 240.000 IN, 96.0000, 240.0000
QUALITY PLAN DESCRIPTION ASTM A283-C; ASTM A283-C-03
CUSTOMER Sold to: DUFERCO STEEL INC Matawan NJ
Ship to: DUFERCO STEEL INC LAREDO TX
CUSTOMER ORDER NUMBER 1003010024 DATE Prepared: 09/10/2005 12:41

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		
5H2449C	5H2446MTT	ASV2100	273.0	415.1	35.5								
5H2450B	5H2451FTT	B5V7171	290.3	446.1	35.6								
5H2450B	5H2454FTT	B5V7171	257.9	446.1	39.9								
5H2450B	5H2451MTT	B5V7171	253.7	406.8	36.2								
5H2450B	5H2454MTT	B5V7171	260.6	410.3	38.5								
5H2450C	5H2451FTT	B5V7171	290.3	446.1	35.6								
5H2450C	5H2454FTT	B5V7171	257.9	446.1	39.9								
5H2450C	5H2451MTT	B5V7171	253.7	406.8	36.2								
5H2450C	5H2454MTT	B5V7171	260.6	410.3	38.5								
5H2448B	5H2445FTT	ASV2100	286.1	429.6	36.9								
5H2448B	5H2446FTT	ASV2100	306.1	462.0	33.3								
5H2448B	5H2445MTT	ASV2100	275.1	421.3	35.8								
5H2448B	5H2446MTT	ASV2100	273.0	415.1	35.5								

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.B'

Items: 7 Pieces: 64 Net Wt: 59276 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 Y
CHIEF METALLURGIST

MILL TEST CERTIFICATE

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

LOAD NUMBER 321274	TALLY 00000000238018	MILL ORDER NUMBER N-079691-002	CERT NUMBER L152463
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ORDER DESCRIPTION A36, 0.6250 IN, 72.000 IN, 240.000 IN, 72.0000, 240.0000	CUSTOMER Sold to: DUFERCO STEEL INC Matamoras NJ Ship to: DUFERCO STEEL INC LAREDO TX	DATE Prepared: 09/10/2005 12:41
QUALITY PLAN DESCRIPTION A36/SA36/A70936: ASTM A36 01/ASME SA36 01/ASTM A709-36 01b	CUSTOMER ORDER NUMBER 1003010025	

Shipped Item	Is certified by Sample	Heat Number	Carb	Mang	Phos	Sul	Sil	Copper	Nickel	Chrome	Moly	cb(mb)	Van	Al	Ti	N2	Ca	B	Sn
5H17398	BSU7084	BSU7084 ***	0.19	0.45	0.009	0.006	0.04	0.19	0.06	0.06	0.018	0.000	0.003	0.026	0.001	0.006	.0019	.0001	0.0070
5H17398	S5H1737FIT	BSU7084	356.5	519.9		35.3													
5H17398	S5H1738FIT	BSU7084	358.5	536.4		37.8													
5H17398	S5H1737MIT	BSU7084	319.9	472.3		37.6													
5H17398	S5H1738MIT	BSU7084	319.9	481.3		39.4													

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.B**

Items: 1 Pieces: 7 Net Wt: 9725 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

Paul J. ...
CHIEF METALLURGIST