



TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD

MILL TEST CERTIFICATES

CUSTOMER

: DUFERCO SA

DATE OF ISSUE:

9-Jan-11

MANUFACTURER:

TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD

PRODUCER:

TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD

STEEL QUALITY AS PER DESCRIPTION OF GOODS: ASTM A500 GR B

THE MILL: TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD

THE HEAT NUMBER	EACH SIZE	LENGTH (M)	WEIGHTS (MT)	NUMBER OF PIECES	CHEMICAL COMPOSITION (%)				PHYSICAL PROPERTIES			BEND FLATTENING TEST	NON-DESTRUCTIVE TEST
					C	Mn	P	S	T.S (MPa)	Y.P (MPa)	E.L (%)		
BLACK HOLLOW SECTIONS WITHOUT ANY COATING IN 12.20M LENGTH													
B10836	3"X3"X1/4"	12.20	30.707	192	0.15	0.55	0.023	0.021	420	325	25	G	G
B10223	4"X4"X3/16"	12.20	41.042	240	0.16	0.56	0.023	0.021	420	325	25	G	G
B10691	4"X4"X1/4"	12.20	82.454	372	0.16	0.56	0.023	0.021	420	325	25	G	G
B10397	4"X4"X5/16"	12.20	32.306	120	0.16	0.56	0.023	0.021	420	325	25	G	G
B10221	4"X4"X3/8"	12.20	28.216	90	0.16	0.56	0.023	0.021	420	325	25	G	G
B10223	6"X6"X3/16"	12.20	21.366	81	0.16	0.56	0.023	0.021	420	325	25	G	G
B10691	6"X6"X1/4"	12.20	93.227	270	0.16	0.56	0.023	0.021	420	325	25	G	G
B10331	6"X6"X5/16"	12.20	61.014	144	0.16	0.56	0.023	0.021	420	325	25	G	G
B10221	6"X6"X3/8"	12.20	38.911	78	0.16	0.56	0.023	0.021	420	325	25	G	G
B10691	8"X8"X1/4"	12.20	82.495	176	0.16	0.56	0.023	0.021	420	325	25	G	G
B10397	10"X10"X5/16"	12.20	32.23	44	0.16	0.56	0.023	0.021	420	325	25	G	G
B10221	10"X10"X3/8"	12.20	38.26	44	0.16	0.56	0.023	0.021	420	325	25	G	G
B10397	12"X12"X5/16"	12.20	31.932	36	0.16	0.56	0.023	0.021	420	325	25	G	G
B10221	12"X12"X3/8"	12.20	88.597	84	0.16	0.55	0.023	0.021	420	325	25	G	G
B10691	4"X6"X1/4"	12.20	30.625	108	0.16	0.55	0.023	0.021	420	325	25	G	G



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THE MILL:TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD

THE HEAT NUMBER	EACH SIZE	LENGTH (M)	WEIGHTS (MT)	NUMBER OF PIECES	CHEMICAL COMPOSITION (%)				PHYSICAL PROPERTIES			BEND FLATTENING TEST	NON-DESTRUCTIVE TEST
					C	Mn	P	S	T.S (MPa)	Y.P (MPa)	E.L (%)		
BLACK HOLLOW SECTIONS WITHOUT ANY COATING IN 12.20M LENGTH													
B10223	4"X8"X3/16"	12.20	31.653	120	0.16	0.55	0.023	0.021	420	325	25	G	G
B10691	10"X4"X1/4"	12.20	39.072	96	0.16	0.55	0.023	0.021	420	325	25	G	G
B10221	10"X4"X3/8"	12.20	28.389	48	0.16	0.55	0.023	0.021	420	325	25	G	G
B10221	12"X8"X3/8"	12.20	31.304	36	0.15	0.55	0.023	0.021	420	325	25	G	G
TOTAL			863.800	2,379									
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTABLE.									TIANJIN BAOLAI INTERNATIONAL TRADE CO.,LTD.  SIGNATURE				