

MILL'S QUALITY CERTIFICATES

Seah Steel Corp.

(주)세아제강

증명서번호 : E200709-0076-002312(5001666)
 CERTIFICATE NO. : E200709-0076-002312(5001666)
 제품명 : E. R. W STEEL PIPE
 COMMODITY :
 제품규격 : ASTM A500 B(2003A)
 SPECIFICATION :

HEAD OFFICE : BONGNAE-DONG IGA, JUNG-GU, SEOUL, KOREA
 POHANG PLANT : 14-1, JANGHEUNG-DONG, NAM-GU, POHANG

발급일자 : 2007.08.31
 DATE OF ISSUE :
 계약서번호 : PLESA
 L/C No. (P/O No.) :
 수요가 :
 고객사 : DUFERCO SA
 주문자 :
 SHIPPER : SEAH STEEL CORPORATION

NO. (BATCH NO.)	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문 치 수 ORDER SIZE	수량 QUANTITY		REMARK
				본 수 PCS	총 길 이 TOTAL LENGTH	
1	SB74856 (SHH6232120)	BME	12" X 12" X 0.500 "	44	1,760,000 FT	60.729
2	SB74856 (SHH6251010)	BME	12" X 12" X 0.500 "	12	480,000 FT	16.562
3	C634381 (SHH6251030)	BME	12" X 12" X 0.500 "	6	240,000 FT	8.281
4	SB74856 (SHH6251050)	BME	12" X 12" X 0.313 "	100	4,000,000 FT	87.240

ORIGINAL

기준 SPEC	HYDROSTATIC TEST	N. D. & T. S. I. & O. N. G.	F. L. A. T. T. I. N. G.	S. H. O. C. K. S. T. I. O. N.	R. M. A. S. I. N. G. G. A. U. S. S.	B. E. N. D. I. N. G.	D. R. I. F. T.	C. R. U. S. H.	F. L. A. N. G. I. N. G.	F. L. A. N. G. I. N. G.	F. L. A. R. E. T. T. I. N. G.	ZINC COATING TEST		CHEMICAL COMPOSITION (%)					TENSILE TEST (Gage Length : 50mm)		IMPACT TEST (C)		HEAT TREATMENT	THICK-NESS P. H.		
												WEIGHT OF ZINC COATING	C.S. ALK	C	Si	Mn	P	S	CEQ	D. I. R.	YIELD STRENGTH	E. L.			ENR-SHEAR AREA	HARD-NESS TEST
1	SB74856 (SHH6232120)	G										MAX 30	MIN 45	45	45	58000	46000	23								
2	SB74856 (SHH6251010)	G										MAX 30	MIN 45	45	45	68980	47230	26								
3	C634381 (SHH6251030)	G										MAX 30	MIN 45	45	45	73530	48070	31								
4	SB74856 (SHH6251050)	G										MAX 30	MIN 45	45	45	75520	50630	26								

*1 - *12 : Refer To The Attached Section Designation

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTABLE.

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Manager of Q.M Dept.

J. E. KIM



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ORIGINAL

NO. (BATCH NO.)	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문 크기 ORDER SIZE	수량 QUANTITY			중량(N/FT) WEIGHT	비고 REMARK
				본수 PCS	총길이 TOTAL LENGTH	중량(UNIT)		
5	SB74427 (SHH6251060)	BME	12" X 12" X 0.313 "	22	880.000 FT	19.193		
6	SP74973 (SHH6252050)	BME	12" X 12" X 0.250 "	32	1,280.000 FT	22.899		
7	B626339 (SHH6252070)	BME	12" X 12" X 0.250 "	33	1,320.000 FT	23.615		
8	SQ11058 (SHH6262020)	BME	14" X 14" X 0.375 "	12	480.000 FT	14.885		

기준 SPEC	HEAT NO (BATCH NO.)	HYDROSTATIC TEST	N.D.T *2	FLAT TENSILE TEST	SHOCK TEST	COMPRESSION TEST	RAMM PENETRATION GAUGE *3	DRIFT	CURVATURE	FLATNESS	RELACTION	CHEMICAL COMPOSITION (%)					TENSILE TEST (Gage Length : 50mm)		IMPACT TEST (°C)	HEAT TREATMENT	PROTECTIVE COATING & LINING				
												C	Mn	P	S	CEQ	D	IR				TENSILE STRENGTH	YIELD STRENGTH	E.L.	END-SHEAR RCY AREA
5	SB74427 (SHH6251060)											MAX 30					MIN								
6	SB74973 (SHH6252050)											17	1	74	10	7		74	10	5					
7	B626339 (SHH6252070)											16	1	74	10	5		74	10	5					
8	SQ11058 (SHH6262020)											13	1	62	14	6		62	14	6					

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NO. (BATCH NO.)	HEAT NO. (BATCH NO.)	관 단 TYPE	주문 치 수 ORDER SIZE	수량 QUANTITY		중량(M/T) WEIGHT	비 고 REMARK																																																																																																																																																																								
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9	SQ12066 (SHH6262060)	BME	14" X 14" X 0.312"	7	280.000 FT	7.271	ORIGINAL																																																																																																																																																																								
10	SQ11058 (SHH6262090)	BME	14" X 14" X 0.312"	5	200.000 FT	5.194																																																																																																																																																																									
11	SQ12066 (SHH6271010)	BME	14" X 14" X 0.312"	1	40.000 FT	1.039																																																																																																																																																																									
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