

PAGE : 3 / 3  
 증명서번호 : E200709-0078-002314(5002028)  
 CERTIFICATE NO. : E200709-0078-002314(5002028)  
 제품명 : E.R.W STEEL PIPE  
 COMMODITY : E.R.W STEEL PIPE  
 제품규격 : API 5LX PSL1/ASTM A53B(2006)  
 SPECIFICATION : API 5LX PSL1/ASTM A53B(2006)  
 HEAD OFFICE : BONGNAE-DONG 1GA, JUNG-GU, SEOUL, KOREA  
 POHANG PLANT : 14-1, JANGHEUNG-DONG, NAM-GU, POHANG  
 발급일자 : 2007.08.31  
 DATE OF ISSUE : 2007.08.31  
 계약서번호 : PLESA  
 L/C No. (P/O No.) : PLESA  
 수요가 :  
 CUSTOMER : DUFRCO SA  
 주문자 :  
 SHIPPER : SEAH STEEL CORPORATION

# MILL'S QUALITY CERTIFICATES

## SeAH SeAH Steel Corp. (주)세아제강

NO.	HEAT NO. (BATCH NO.)	관단 TYPE	관단 TYPE *1	주문치수 ORDER SIZE	수량 QUANTITY		비고 REMARK
					본수 PCS	중량(M/T) WEIGHT	
9	SB80465 (SHH8201020)	BBE	*1	X 0.225 " X 6.120 M	146	893.520 M	PO.NO : 1103054906
10	ST93510 (SHH8271060)	BBE		X 0.225 " X 6.120 M	40	244.800 M	
11	ST93396 (SHH8271070)	BBE		X 0.225 " X 6.120 M	34	208.080 M	

  

NO.	HEAT NO. (BATCH NO.)	ZINC COATING TEST		CHEMICAL COMPOSITION(%)										TENSILE TEST (Gage Length : 50mm)			IMPACT TEST (°C)		HARDNESS TEST		HEAT TREATMENT		PROTECTIVE COATING & LINING					
		관단형상 C.S.ALK	관단형상 C.S.ALK	D	C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ	D	I	R	TENSILE STRENGTH	YIELD STRENGTH	E.L	%	ENERGY AREA	%	THICKNESS	P.H		
기준 SPEC		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		MAX	MIN	H	P	P	H	P	P	H	P	P	H	P	P	H	P	60000	35000	38								
9	SB80465 (SHH8201020)																	60000	35000	38								
10	ST93510 (SHH8271060)																	69550	48780	38								
11	ST93396 (SHH8271070)																	71540	53620	38								

\*1 ~ \*12 : OTHER  
 Refer To The Attached Section Designation  
 Surveyor :  
 Manager of Q.M Dept.  
**J. E. KIM**  
 SEAH STEEL CORPORATION

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.  
 THE USE OF THE MATERIAL OUTSIDE THE SPECIFICATIONS INDICATED ON THIS CERTIFICATE MAY CAUSE SAFETY AND/OR MONETARY PROBLEMS. FURTHERMORE, ANY ORGANIZATION OR PERSON(S) WHO DELIBERATELY MODIFIES THE CERTIFICATE WILL BE PROSECUTED FOR FORGING AN OFFICIAL DOCUMENT (ACCORDING TO THE PROVISIONS OF THE CRIMINAL CODE 231)