

MILL'S QUALITY  
 CERTIFICATES  
**SeAH Steel Corp.**  
 (주)세아제강

RECEIVED  
 SEAL  
 2007.09.21

DATE OF ISSUE : 2007.09.21  
 계약서 번호 : PLESA  
 L/C No. (P/O No.) : PLESA  
 수 요 가 :  
 CUSTOMER : DUFRCO SA  
 주 문 자 :  
 SHIPPER : SEAH STEEL CORPORATION

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

받급일자 : 2007.09.21  
 증명서번호 : E200709-0081-002317(5002028)  
 제품명 : E.R.W STEEL PIPE  
 제품규격 : API 5L PSL1/ASTM A53B(2006)

NO.	HEAT NO. (BATCH NO.)	관단 TYPE	*1	주문치수 ORDER SIZE	수량 QUANTITY		증량(M/T) WEIGHT	비고 REMARK
					본수 PCS	총길이 TOTAL LENGTH		
9	ST93728 (SHH8251040)	BBE	60	X 0.250 "	X 6.120 M	367.200 M	18.400	PO.No.:1103054906
10	SP89327 (SHH8251050)	BBE	277	X 0.250 "	X 6.120 M	1,695.240 M	84.948	
11	ST93511 (SHH8251060)	BBE	132	X 0.250 "	X 6.120 M	807.840 M	40.481	

NO.	HEAT NO. (BATCH NO.)	ZINC COATING TEST	CHEMICAL COMPOSITION(%)											TENSILE TEST (Gage Length : 50mm)				IMPACT TEST (°C)	HARD- NESS TEST	HEAT TREAT MENT	PROTECTIVE COATING & LINING					
			WEIGHT OF ZINC COAT- ING		C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ	D	I					R	YIELD STRENGTH	E.L	%	psi
기준	SPEC		*4	*5	*6	*7	*8	*9	TENSILE TEST		YIELD STRENGTH		E.L		IMPACT TEST		HARD-NESS TEST		HEAT TREATMENT		PROTECTIVE COATING & LINING					
9	ST93728 (SHH8251040)		MAX	MIN	H	P	P	H	P	P	P	P	H	P	P	P	820	G	G	G	G	G	820	G		
10	SP89327 (SHH8251050)																820	G	G	G	G	G	820	G		
11	ST93511 (SHH8251060)																820	G	G	G	G	G	820	G		

N \*1 ~ \*12 :  
 O Refer To The Attached  
 T Section Designation  
 E OTHER

Surveyor :  
 Manager of Q.M Dept.  
**J. E. KIM**

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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)