

# MILL'S QUALITY

## CERTIFICATE

### Seah Steel Corp.

(주)세아제강

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

발급일자 : 2007.06.07  
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계약서번호 : 47L1-B93402-TMA4  
L/C No. (P/O No.) : 47L1-B93402-TMA4  
수요자 : DUFEROO SA  
CUSTOMER : DUFEROO SA  
주문자 :  
SHIPPER : DAERYANG P&T

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증명서번호 : E200706-0068-001574(5001625)  
CERTIFICATE NO. : E200706-0068-001574(5001625)  
제품명 : E.R.W STEEL PIPE  
COMMODITY :  
제품규격 : API 5LB PSL1/ASTM A53B(2006)  
SPECIFICATION : API 5LB PSL1/ASTM A53B(2006)

NO.	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문 치수 ORDER SIZE	수량 QUANTITY		비고 REMARK
				본수 PCS	총길이 TOTAL LENGTH	
1	6-25800 (SHH5312050)	BBE	12" X 0.375" X 6.120 M	8	48.960 M	3.606
2	5-40075 (SHH5312060)	BBE	12" X 0.375" X 6.120 M	106	648.720 M	47.778
3	C732211 (SHH5292150)	BBE	24" X 0.375" X 6.120 M	59	361.080 M	50.797
4	SQ09808 (SIH6051090)	BBE	20" X 0.250" X 6.120 M	1	6.120 M	0.484

기준 SPEC	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문 치수 ORDER SIZE	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	관단 C.S.ALK	C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ	DR	TS	YS				E.L
1	6-25800 (SHH5312050)	BBE	1240	G	G	30	MAX	26	120	30	30	40	40	40	15	80	60000	35000	44			G	
2	5-40075 (SHH5312060)	BBE	1240	G	G	30	MIN	16	17	44	17	7	1	1	1	TR	69120	50350	44			G	
3	C732211 (SHH5292150)	BBE	660	G	G	30	MAX	16	18	44	17	8	1	1	1	TR	71401	49350	46			G	
4	SQ09808 (SIH6051090)	BBE	530	G	G	30	MIN	15	19	45	14	4	1	1	1	TR	69979	51910	43			G	

\*1 ~ \*12 : Refer To The Attached Section Designation  
O T H E R

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)

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

