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증명서번호
CERTIFICATE NO. : E200706-0017-001523(5001655)

제 품 명
COMMODITY : E.R.W STEEL PIPE

제 품 규 격
SPECIFICATION : API 5LB PSL1/ASTM A53B(2006)

MILL'S QUALITY CERTIFICATE

SeAH SeAH Steel Corp.
(주)세 아 제 강

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

발 급 일 자
DATE OF ISSUE : 2007.05.31

계 약 서 번 호
L/C No. (P/O No.) : 47LI-B93402-TMA4

수 요 가 :
CUSTOMER : DUFERCO SA

주 문 자 :
SHIPPER : SEAH STEEL CORPORATION

NO.	HEAT NO. (BATCH NO.)	관 단 TYPE *1	주 문 치 수 ORDER SIZE	수 량 QUANTITY 본 수 PCS	총 길 이 TOTAL LENGTH	중량(M/T) WEIGHT	비 고 REMARK
1	SP83479 (SIH5152120)	BBE	16 " X 0.281 " X 6.120 M	35	214.200 M	14.975	
2	SP83483 (SIH5152130)	BBE	16 " X 0.281 " X 6.120 M	50	306.000 M	21.392	

NO.	HEAT NO (BATCH NO.)	HYDROSTATIC TEST 5 Sec. psi	RESULT	N.D.T U *2	VISUAL & DIMENSION	FLATTENING	SHOCK	COMPRESSION	RESIDUAL MAGNETISM GAUSS	BENDING *3	DRIFT	CRUSH	FLARING	FLANGE	REVERSE FLATTENING	ZINC COATING TEST WEIGHT OF ZINC COAT-ING	균일성 C.S *4	알칼리 ALK *5
기준 SPEC	-								30									
1	SP83479 (SIH5152120)	740	G	G	G	G			G									
2	SP83483 (SIH5152130)	740	G	G	G	G			G									

NO.	HEAT NO (BATCH NO.)	DESIG *6	C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ *8	DIR *9	TENSILE STRENGTH psi	YIELD STRENGTH psi	E.L % *10	IMPACT TEST (℃) ENERGY Joule	SHEAR AREA %	HARDNESS TEST	HEAT TREATMENT SN *11	PROTECTIVE COATING & LINING THICKNESS	P.H
			2			3		2	2	2	2	3											
			*7																				
기준 SPEC		MAX	26		120	30	30	40	40	40	15	80											
		MIN													60000	35000							
1	SP83479 (SIH5152120)	H	14	TR	64	12	5																
		P	13	1	63	11	4	1	1	1	TR	TR		T	64280	41390	40				G		
		P	13	1	63	14	3	1	1	1	TR	TR		W	64716								
2	SP83483 (SIH5152130)	H	14	1	67	11	6																
		P	15	1	68	12	5	1	1	1	TR	TR		T	70400	46650	39				G		
		P	13	TR	67	12	4	TR	1	1	TR	TR		W	68983								

NOTE *1 ~ *12 : Refer To The Attached Section Designation

OTHER

Surveyor :

- 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)

Manager of Q.M Dept.

J. E. KIM

주식회사세아제강 SeAH 포항공장품질경영팀장