PAGE : 1 / 1

MILL'S QUALITY CERTIFICATES

15/15

SeAH Steel Corp.
(주)세아제강
HEAD OFFICE ; BONGNAE-DONG 1GA, JUNG-GU, SEOUL, KOREA
POHANG PLANT ; 14-1, JANGHEUNG-DONG, NAM-GU, POHANG

증명서번호
CERTIFICATE NO. : E200901-0019-000019(5003628)

제 품 명
COMMODITY : E.R.W STEEL PIPE

제 품 규 격
SPECIFICATION : API 5L B(PSL1)/ASTM A53B

발 급 일 자
DATE OF ISSUE : 2009.01.09

계 약 서 번 호
L/C No. (P/O No.) : 47LI-C80768-TCTT(1103066336)

수 요 가
CUSTOMER : PLESA

주 문 자
SHIPPER : DUFERCO SA

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	C836164 (SIIZ091070)	BBE	14 " X 1/4 " X 6.120 M	32	195.840 M	10.793	
2	SQ59152 (SIIZ241060)	BBE	24 " X 1/2 " X 6.120 M	1	6.120 M	1.145	
3	SQ57800 (SIIZ241080)	BBE	24 " X 1/2 " X 6.120 M	8	48.960 M	9.158	

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	REVERTED FLATTENING	ZINC COATING TEST WEIGHT OF ZINC COAT-ING	균일성 C.S *4	알칼리 ALK *5	CHEMICAL COMPOSITION(%) DESIG *6	C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ *8	DIR *9	TENSILE TEST (Gage Length : 50mm) 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
																				*7																			
기준 SPEC									30										MAX	26	2	120	30	30	40	40	40	15	80			60000	35000							
																			MIN																				
1	C836164 (SIIZ091070)	750	G	G	G	G			G										H	17	2	77	15	10						T	71400	52200	37				G		
																			P	16	3	76	13	9	1	1	1	1	2										
																			P	17	2	76	13	8	1	1	1	1	1		W	75250							
2	SQ59152 (SIIZ241060)	880	G	G	G	G			G										H	17	1	85	12	8						T	73100	51790	38				G		
																			P	16	TR	86	10	8	TR	1	1	TR	1										
																			P	17	1	85	12	7	TR	1	1	TR	TR		W	77673							
3	SQ57800 (SIIZ241080)	880	G	G	G	G			G										H	17	1	86	13	4						T	71800	55470	34				G		
																			P	16	TR	87	15	4	1	1	1	TR	TR										
																			P	16	1	85	14	3	1	1	1	TR	TR		W	77659							

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.

N. J. Baek

SeAH