E 200 90 10019

MILL'S QUALITY CERTIFICATES

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

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.)	판 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	CONFIRM TO NACE NORM MR0175(LAST EDITION)
									*ERW: CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS ONLY
2	SQ59152 (SIIZ241060)	BBE	24 "	X 1/2 "	X 6.120 M	1	6.120 M	1.145	*DSAW:CHEMICAL COMPOSITION AND HARDNESS ONLY
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	REVERSE FLATTENING	ZINC COATING TEST WEIGHT OF ZINC COAT-ING	균일성 C.S *4	알칼리 ALK *5	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	ENE-RGY Joule	SHEAR AREA %	HARD-NESS TEST	HEAT TREAT MENT SN *11	PROTECTIVE COATING & LINING THICK-NESS	P.H
																				CHEMICAL COMPOSITION(%)																				
																				2			3		2	2	2	2	3											
																				*7										*8										
기준 SPEC									30										MAX	26		120	30	30	40	40	40	15	80											
																			MIN													60000	35000							
1	C836164	750	G	G	G	G			G										H	17	2	77	15	10																
	(SIIZ091070)																		P	16	3	76	13	9	1	1	1	1	2		T	71400	52200	37				G		
																			P	17	2	76	13	8	1	1	1	1	1		W	75250								
2	SQ59152	880	G	G	G	G			G										H	17	1	85	12	8																
	(SIIZ241060)																		P	16	TR	86	10	8	TR	1	1	TR	1		T	73100	51790	38				G		
																			P	17	1	85	12	7	TR	1	1	TR	TR		W	77673								
3	SQ57800	880	G	G	G	G			G										H	17	1	86	13	4																
	(SIIZ241080)																		P	16	TR	87	15	4	1	1	1	TR	TR		T	71800	55470	34				G		
																			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

주식회사 세아제강 SeAH