증명서번호
CERTIFICATE NO.: E200906-0132-000740(5004392)

제 품 명
COMMODITY : E.R.W STEEL PIPE

제 품 규 격
SPECIFICATION : API 5L X42/B(PSL1) 44RD. /ASTM A53B(2007)/ASM SA53B(2006)

INSPECTION CERTIFICATE

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 : 2009.06.30
계 약 서 번 호
L/C No. (P/O No.) : 092-L154 (SRC09-0002)
수 요 가
CUSTOMER : SEAH STEEL AMERICA,INC.
주 문 자
SHIPPER : SEAH STEEL AMERICA,INC.

NO.	HEAT NO. (BATCH NO.)	판단 TYPE *1	주문치수 ORDER SIZE	수량 QUANTITY 본수 PCS	총길이 TOTAL LENGTH	중량(M/T) WEIGHT	비고 REMARK
25	SB43311 (SHJ6222030)	BBE	10,3/4 " X 0.500 " X 42.000 FT	5	210.000 FT	5.219	*WELDING METHOD : HFW(HIGH FREQUENCY WELDING)
26	C825228 (SIJ6082070)	BBE	24 " X 0.375 " X 42.000 FT	20	840.000 FT	36.086	
27	O-35831 (SIJ6091020)	BBE	24 " X 0.375 " X 21.000 FT	15	315.000 FT	13.533	
28	O-35838 (SIJ6091030)	BBE	24 " X 0.375 " X 21.000 FT	53	1,113.000 FT	47.814	

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
기준 SPEC									30						
25	SB43311 (SHJ6222030)	2970	G	G	G	G			G						
26	C825228 (SIJ6082070)	1190	G	G	G	G			G						
27	O-35831 (SIJ6091020)	1190	G	G	G	G			G						
28	O-35838 (SIJ6091030)	1190	G	G	G	G			G						

NO.	HEAT NO (BATCH NO.)	ZINC COATING TEST WEIGHT OF ZINC COAT-ING	중크롬산 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
						2			3		2	2	2	2	3											
기준 SPEC					MAX	26		120	30	30	40	40	40	15	80											
					MIN													60200	42100							
25	SB43311 (SHJ6222030)				H	18	2	82	13	3																
					P	17	1	82	12	4	1	2	1	TR	2		T	72380	50630	38				G		
					P	18	2	83	11	1	1	2	1	TR	2		W	74110								
26	C825228 (SIJ6082070)				H	16	2	77	9	8																
					P	15	1	76	10	9	1	2	2	TR	3		T	69550	45650	36				G		
					P	17	3	76	7	6	1	2	2	TR	3		W	71850								
27	O-35831 (SIJ6091020)				H	16	19	62	19	6																
					P	15	20	62	21	5	2	1	1	TR	1		T	72950	54900	36				G		
					P	17	20	62	17	4	2	1	1	TR	1		W	74680								
28	O-35838 (SIJ6091030)				H	15	19	61	18	3																
					P	14	18	60	18	2	1	1	1	TR	TR		T	72530	52340	37				G		
					P	14	20	61	19	2	1	1	1	TR	TR		W	73690								

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