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증명서번호
CERTIFICATE NO.: E200810-0005-002239(5002715)

제 품 명
COMMODITY : E.R.W STEEL PIPE

제 품 규 격
SPECIFICATION : API 5L X42/B(PSL1)/A53B

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 : 2008.09.30

계 약 서 번 호
L/C No. (P/O No.) : 081-H146(88520)

수 요 가
CUSTOMER : TEXAS PIPE & SUPPLY

주 문 자
SHIPPER : SEAH STEEL AMERICA,INC.

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	SQ48925 (SII9041040)	BBE	16 "	X 0.375 "	X 42.000 FT	13	546.000 FT	15.512	CONFIRM TO NACE MR 0175 & MR 0103
2	ZV3620 (SII9172080)	BBE	24 "	X 0.375 "	X 21.000 FT	9	189.000 FT	8.119	*ERW : CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS ONLY
3	ZV3029 (SII9172090)	BBE	24 "	X 0.375 "	X 21.000 FT	25	525.000 FT	22.554	*DSAW : CHEMICAL COMPOSITION AND HARDNESS ONLY
4	C825228 (SII9172100)	BBE	24 "	X 0.375 "	X 21.000 FT	29	609.000 FT	26.163	

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						
1	SQ48925 (SII9041040)	1670	G	G	G	G			G						
2	ZV3620 (SII9172080)	1180	G	G	G	G			G						
3	ZV3029 (SII9172090)	1180	G	G	G	G			G						
4	C825228 (SII9172100)	1180	G	G	G	G			G						

NO.	HEAT NO (BATCH NO.)	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	IMPACT TEST (℃) ENERGY Joule	SHEAR AREA %	HARDNESS TEST	HEAT TREATMENT SN *11	PROTECTIVE COATING LINING THICKNESS	P.I
						2			3		2	2	2	2	3											
						*7																				
기준 SPEC					MAX	28		125	30	30	40	40	40	15	80											
					MIN													60000	42000							
1	SQ48925 (SII9041040)				H	18	1	77	13	3																
					P	17	TR	76	13	3	1	1	1	TR	2		T	72960	47790	38				G		
					P	18	2	76	15	3	1	1	1	TR	2		W	74121								
2	ZV3620 (SII9172080)				H	9	16	74	16	6																
					P	8	15	76	18	7	1	2	1	TR	1		T	69690	58600	39				G		
					P	8	15	75	17	4	1	2	1	TR	1		W	72703								
3	ZV3029 (SII9172090)				H	8	18	72	14	8																
					P	7	17	71	12	8	TR	2	TR	TR	TR		T	71970	55160	36				G		
					P	9	18	71	16	8	TR	2	TR	TR	TR		W	75832								
4	C825228 (SII9172100)				H	16	2	77	9	8																
					P	15	2	77	10	9	2	2	2	TR	2		T	65570	45510	38				G		
					P	15	1	78	11	10	2	2	2	TR	2		W	70850								

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 포항공장품질경영팀)