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 증명서번호
 CERTIFICATE NO. : E201204-0147-000948(5007927)
 제품명
 COMMODITY : H.F.W STEEL PIPE
 제품규격
 SPECIFICATION : API 5LB PSL1/ASTM A53B(2007)

MILL'S QUALITY
 CERTIFICATES
SeAH SeAH Steel Corp.
 (주)세아제강

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

발급일자
 DATE OF ISSUE : 2012.03.30
 계약서번호
 L/C No. (P/O No.) : 1103096734
 수 요 가
 CUSTOMER : PLESA
 주문자
 SHIPPER : DUFERCO SA

NO.	HEAT NO. (BATCH NO.)	관 단 TYPE *1	주 문 치 수 ORDER SIZE			수 량 QUANTITY			비 고 REMARK
			10 "	X SCH40	X 6.120 M	본 수 PCS	총 길 이 TOTAL LENGTH	중 량(M/T) WEIGHT	
1	5-77159 (SIM3152120)	BBE	10 "	X SCH40	X 6.120 M	146	893.520 M	54.058	ORIGINAL
2	2-6966 (SIM3031050)	BBE	12 "	X SCH40	X 6.120 M	45	275.400 M	21.936	
3	2-5814 (SIM3031060)	BBE	12 "	X SCH40	X 6.120 M	48	293.760 M	23.398	
4	SP27555 (SIM3142040)	BBE	14 "	X 0.250 "	X 6.120 M	60	367.200 M	20.236	

NO. (BATCH NO.)	HEAT NO.	HYDROSTATIC TEST		N · D · T R E S U L T *2	V I S U E N S I O N & O N	F L A T T E N I N G	S H O C K	C O M P R E S S I O N	R E A G I N G I D E N T I F I C A T I O N GAUSS	B E N D I N G *3	D R I F T	C R U S H	F L A R I N G	F L A N G E	R E L A T I V E T E N S I O N	ZINC COATING TEST		CHEMICAL COMPOSITION(%)											TENSILE TEST (Gage Length : 50mm)			IMPACT TEST (°C)		HARD- NESS TEST	HEAT TREATMENT					
		WEIGHT OF ZINC COATING	*4													*5	*6	*7	*8	*9	D I R	TENSILE STRENGTH	YIELD STRENGTH	E.L	E N E R G Y	S H E A R AREA	H R B	S N												
																													psi	psi	%	Joule	%			*11				
기준 SPEC									30								MAX	26	120	30	30	40	40	40	15	80								99						
																	MIN																							
1	5-77159 (SIM3152120)	1450	G	G	G	G			G								H	16	16	42	18	4																		
																	P	15	15	42	16	4	1	1	1	TR	2	1	1											
2	2-6966 (SIM3031050)	1360	G	G	G	G			G								H	16	17	47	24	4																		
																	P	16	16	48	25	5	1	2	2	TR	2	1	2											
3	2-5814 (SIM3031060)	1360	G	G	G	G			G								H	16	18	44	15	5																		
																	P	16	18	45	17	4	1	1	1	TR	1	2	2											
																	P	17	17	45	14	4	1	1	2	TR	1	2	2											
4	SP27555 (SIM3142040)	770	G	G	G	G			G								H	15	1	67	8	5																		
																	P	14	1	66	8	5	1	1	1	TR	1	2	1											
																	P	15	1	68	8	5	1	1	1	TR	1	2	1											

OTHERS
 *1-BBE:Black Beveled End(30°)
 *2-U:Weld Seam Ultrasonic Test
 *6-H:Heat(Ladle) Analysis, P:Product Analysis *7-2:X100, 3:X1000
 *9-T:Base Metal Transverse, W:Weld Part Transverse *10-E.L:Elongation *11-S.N:Seam Normalizing *G:GOOD *Tr:Trace
 * THIS CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1 (ISO 10474 3.1.B)

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 

