

증명서번호 : E200807-0213-001540(5002660)

제품명 : E.R.W STEEL PIPE

제품규격 : API 5L B PSL1/ASTM A53B(2007)

# MILL'S QUALITY CERTIFICATES

## Seah Steel Corp.

(주)세아제강

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

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계약서번호 : 47LI-C45661-TJFE(0801844)  
L/C No. (P/O No.) : 47LI-C45661-TJFE(0801844)  
수요자 : DUFERCO SA  
CUSTOMER : DUFERCO SA  
주문자 : SEAH STEEL CORPORATION  
SHIPPER : SEAH STEEL CORPORATION

NO. (BATCH NO.)	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문치수 ORDER SIZE	수량 QUANTITY			비고 REMARK
				본수 PCS	총길이 TOTAL LENGTH	중량(M/T) WEIGHT	
5	C831144 (SH13311020)	BBE	14" X 0.375" (3/8") X 6.120 M	1	6.120 M	0.496	
6	C831144 (SH13312010)	BBE	14" X 0.375" (3/8") X 6.120 M	1	6.120 M	0.496	
7	SQ34073 (SH13312020)	BBE	14" X 0.375" (3/8") X 6.120 M	1	6.120 M	0.496	
8	SB80177 (SH13312030)	BBE	14" X 0.438" (SCH40) X 6.120 M	18	110.160 M	10.388	

기준 SPEC	HEAT NO (BATCH NO.)	HYDROSTATIC TEST	N.D. TEST	VDI TEST	F.L.A.N.G. TEST	S.H.O.C.K. TEST	C.O.M.P.R.E.S.S.I.O.N. TEST	R.E.A.M.E.N.D.I.N.G. TEST	D.R.I.F.T. TEST	C.R.U.S.H. TEST	F.L.A.N.G.E. TEST	R.E.L.E.V.E.N.T. TEST	ZINC COATING TEST		CHEMICAL COMPOSITION(%)										TENSILE TEST (Gage Length : 50mm)		IMPACT TEST (°C)		HARDNESS TEST	HEAT TREATMENT	PROTECTIVE COATING & LINING
													WEIGHT OF ZINC COATING	THICKNESS	C	Si	Mn	P	S	CU	NI	CR	MO	V	CEQ	DR	TENSILE STRENGTH	YIELD STRENGTH			
5	C831144 (SH13311020)	1130	G	G	G	G	G	G	G	G	G	G	*4	*5	*6	*7	*8	*9	psi	psi	*10	Joule	%	G	SN	THICK-P.H					
6	C831144 (SH13312010)	1130	G	G	G	G	G	G	G	G	G	G	*4	*5	*6	*7	*8	*9	psi	psi	*10	Joule	%	G	SN	THICK-P.H					
7	SQ34073 (SH13312020)	1130	G	G	G	G	G	G	G	G	G	G	*4	*5	*6	*7	*8	*9	psi	psi	*10	Joule	%	G	SN	THICK-P.H					
8	SB80177 (SH13312030)	1310	G	G	G	G	G	G	G	G	G	G	*4	*5	*6	*7	*8	*9	psi	psi	*10	Joule	%	G	SN	THICK-P.H					

\*1 ~ \*12 : Refer To The Attached Section Designation

DESCRIPTION OF GOODS : 1.409.329 MT (+/- 10 PCT.) PIPE ERW PIPES / GRADE: API 5L-B/ ASTM A53B.GRADE:AP 5L-B/ ASTM A53B. PHYSICAL PROPERTIES SAME AS TENSILE TEST & IMPACTTEST.

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)

Surveyor : Manager of Q.M Dept. J. E. KIM

