

MILL'S QUALITY CERTIFICATE

SeAH Steel Corp.

(주)세아제강

발급일자 : 2007.03.30
 DATE OF ISSUE : 2007.03.30
 계약서번호 : 47LI-B82946-TLJY(1103049204)
 L/C No. (P/O No.) : 47LI-B82946-TLJY(1103049204)
 수요가 : DUFERCO SA
 CUSTOMER : DUFERCO SA
 주문자 : SEAH STEEL CORPORATION
 SHIPPER : SEAH STEEL CORPORATION

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

증명서번호 : E200704-0086-001171(5001422)
 CERTIFICATE NO. : E200704-0086-001171(5001422)
 제품명 : E.R.W STEEL PIPE
 COMMODITY : E.R.W STEEL PIPE
 제품규격 : API 5L B PSL1/ASTM A53B(2005)
 SPECIFICATION : API 5L B PSL1/ASTM A53B(2005)

NO.	HEAT NO. (BATCH NO.)	관단 TYPE	주문 치 수 ORDER SIZE	수량 QUANTITY		비고 REMARK																															
				본 수 PCS	중량(M/T) WEIGHT																																
49	C731189 (SIH3271130)	*1	24 " X 0.375 " X 6.120 M	54	330.480 M 46.492	* DESCRIPTION OF GOODS : 1,408,552MT (+/- 10 PCT) CARBON STEEL PIPES WELDED / ASTM A53 B * STEEL GRADE : ASTM A53 B																															
NO.	HEAT NO. (BATCH NO.)	HYDROSTATIC TEST		CHEMICAL COMPOSITION(%)										ZINC COATING TEST			TENSILE TEST (Gage Length : 50mm)			IMPACT TEST (°C)		HARDNESS TEST		HEAT TREATMENT		PROTECTIVE COATING & LINING											
		10 Sec	psi	C	Si	Mn	P	S	CU	NI	CR	MO	V	CFEQ	D	I	R	TENSILE STRENGTH	YIELD STRENGTH	E.L	%	ENE-SHEAR	RGY AREA	Joules	%	psi	psi	psi	psi	psi	psi	THICKNESS	P.H				
기준 SPEC	49	C731189 (SIH3271130)	660	30	MAX	MIN	26	15	2	77	12	5	14	1	78	12	3	2	2	2	1	3	T	W	60000	35000	69970	49630	46	46	69410	46	46	G	G	*11	

COPY

Surveyor :
 *1 ~ *12 : Refer To The Attached Section Designation
 O T H E R

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

