







증명서번호 : PE201408-0128-001946(5011824)

COMMODITY : H.F.W STEEL PIPE

제품구격 : API 5L (PSL1) / ASTM A53 B(2012)

HEAD OFFICE: SEAH TOWER, 45 YANGHWA-RO, MAPO-GU, SEOUL, KOREA  
 FOHANG PLANT : 136, GOEDONG-RO, NAM-GU, FOHANG

# MILL'S QUALITY CERTIFICATES

## Seah Seah Steel Corp.

(주)세아제강

발급일자 : 2014.08.20

계약서번호 : 1103123928

L/C No. (P/O No.) : 1103123928

수요자 : ACEROMEX SA DE CV, MEXICO

주문자 : SHIPPER

SHIPPER : DUPERCO SA

NO. (BATCH NO.)	HEAT NO. (BATCH NO.)	관단 TYPE *1	주문 치수 ORDER SIZE	수량 QUANTITY			중량 (FT/TON) WEIGHT	비고 REMARK
				PCS	총 길이 TOTAL LENGTH			
13	N11456 (SI07013110)	BBE	X 0.375 " X 40.000 FT	30	1,200.000 FT	51.552		
14	N11455 (SI07013130)	BBE	X 0.375 " X 40.000 FT	16	640.000 FT	27.494		
15	N11470 (SI07021090)	BBE	X 0.250 " X 40.000 FT	19	760.000 FT	21.880		
16	N09579 (SI07021100)	BBE	X 0.250 " X 40.000 FT	18	720.000 FT	20.729		

ORIGINAL

기준 SPEC	HEAT NO. (BATCH NO.)	HYDROSTATIC TEST	관단 TYPE	관단 치수	관단 길이	관단 중량	CHEMICAL COMPOSITION(%)											TENSILE TEST (Gage Length : 50mm)			IMPACT TEST (C)	HARDNESS TEST	HEAT TREATMENT			
							C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	REQ	DIR				TS	YS	E.L
13	N11456 (SI07013110)	670	G	G	G	G	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	REQ	DIR	TS	YS	E.L	EN-SHEAR RGY AREA	HARDNESS TEST	HEAT TREATMENT
14	N11465 (SI07013130)	670	G	G	G	G	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	REQ	DIR	TS	YS	E.L	EN-SHEAR RGY AREA	HARDNESS TEST	HEAT TREATMENT
15	N11470 (SI07021090)	450	G	G	G	G	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	REQ	DIR	TS	YS	E.L	EN-SHEAR RGY AREA	HARDNESS TEST	HEAT TREATMENT
16	N09579 (SI07021100)	450	G	G	G	G	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	REQ	DIR	TS	YS	E.L	EN-SHEAR RGY AREA	HARDNESS TEST	HEAT TREATMENT

\*1-BBE:Black Beveled End(30°) \*G:6000 \*T:Trace  
 \*2-U:Weld Seam Ultrasonic Test \*7-2:X100, 3:X1000, 4:X10000  
 \*6-H:Heat(Ladle) Analysis, P:Product Analysis \*10-E,L:Elongation \*11-S,N:Seam Normalizing  
 \*9-T:Base Metal Transverse, W:Weld Part Transverse

\* THIS CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1 (ISO 10474 3.1.B)

Surveyor : \*1~\*11: Refer To Others  
 \*본 제품은 관련 규격에 정한 시험 및 검사에 합격하였음을 증명합니다.  
 (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.)  
 \*본 검사 증명서에 명기된 규격용도의 사용시 안전상 또는 계산상의 문제가 발생할 수 있으며, 검사증명서 위·변조시 서문서 위조(형법 231조)로 불이익을 당할 수 있습니다.

Manager of Q.M Dept.  
**N. J. Park**





