

증명서번호  
CERTIFICATE NO. : CR201812-0036-001976(5018853)

계약서번호  
L/C No. (P/O No.) : 183-L647 (660415-00)

제품명  
COMMODITY : WELDED AUSTENITIC STAINLESS STEEL PIPES

# INSPECTION CERTIFICATE

## SeAH Steel Corp.

### (주)세아제강

수요자  
CUSTOMER : SOUTHWEST STAINLESS STEEL INC.

제품규격  
SPECIFICATION : ASTM A312-04b/ASME SA312-01 + A02

주문자  
SHIPPER : SEAH STEEL AMERICA, INC.

HEAD OFFICE: SEAH TOWER, 45 YANGHWA-RO, MAPO-GU, SEOUL, SOUTH KOREA  
MANUFACTURED IN CHANGWON PLANT: 280, GONGDAN-RO, SEONGSAN-GU, CHANGWON-SI, GYEBONGSANGNAM-DO, SOUTH KOREA

ITEM NO.	HEAT NO. (BATCH NO.)	등급 GRADE	주문차수 ORDER SIZE			수량 QUANTITY			비고 REMARKS
						분수 PCS.	총길이 TOTAL LENGTH	중량(M/T) WEIGHT	
1	SD33339 (HB186L0081)	TP304/304L	3"	X SCH10S	X 20.000 FT	2	40.000 FT	0.080	MERCURY FREE NO WELD REPAIR PICKLED & PASSIVATED NACE MRO175 / NACE MRO103 ELONGATION IN 2" EDDY CURRENT TEST ACCORDING TO ASTM PRACTICE E 426 COUNTRY OF MELT : KOREA PED 97/23/EC
2	SE08122 (SB18X60010)	TP304/304L	1/2"	X SCB40S	X 20.000 FT	351	7,020.000 FT	2.737	
3	SE08122 (SB18X60020)	TP304/304L	1/2"	X SCB40S	X 20.000 FT	227	4,540.000 FT	1.771	
4	SE08122 (SB18X60030)	TP304/304L	1/2"	X SCB40S	X 20.000 FT	222	4,440.000 FT	1.732	

ITEM NO.	HEAT NO. (BATCH NO.)	HYDROSTATIC		PNEUMATIC		N.D.T	VIT	FL & S	FL & T	FL & I	FL & B	RE-BEND	RE-BEND	CORROSION	CHEMICAL COMPOSITION										TENSILE TEST			IMPACT		HARDNESS TEST						
		Sec	RES	Sec	RES										C	Si	Mn	P	S	Ni	Cr	Mo	N													
		Result	Result	Result	Result										1	2	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
기준 SPEC															MAX	35	100	200	45	30	1300	2000														
1	SD33339 (HB186L0081)					G	G	G							H	20	54	145	32	3	808	1821														99
2	SE08122 (SB18X60010)					G	G	G							P	24	44	145	32	3	807	1813			L											87
3	SE08122 (SB18X60020)					G	G	G							P	24	44	145	32	3	807	1813			L											86
4	SE08122 (SB18X60030)					G	G	G							P	24	44	145	32	3	807	1813			L											88
															P	24	44	145	32	3	807	1813			L											87
															P	24	44	145	32	3	807	1813			L											88

NOTE: U: 초음파검사(Ultrasonic Test.) E: 와류관상검사(Eddy Current Test.) P: 침투탐상시험(Penetrant Test.) R: 방사선검사(Radiographic Test.)  
 R: 열연분석(Heat/Ladle Analysis) P: 제품분석(Product Analysis)  
 2: x 100 L: 양면방향(Base Metal Longitudinal) 3: x 1000 T: 선주방향(Base Metal Transverse.) 4: x 10000 W: 용접부(Weld Part.) G: Good  
 THE MATERIAL HAS BEEN SOLUTION HEAT TREATMENT AT MIN 1040°C (HEAT TREATMENT HOLDING TIME : MIN 30 SEC) AND RAPID WATER QUENCHED. EN 10204 TYPE 3.1

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.  
**S. K. SEO**

Stock **3258309** 05/11/2020

**SSPIPE 1/2IN SCH 40 304/L PLAIN**  
**END IMPORT**