

증명서번호 CERTIFICATE NO.: CE202105-0129-000629(5021358)

INSPECTION CERTIFICATE

계약서번호 L/C No. (P/O No.): 204-H606(273698-00)

제품명 COMMODITY : WELDED AUSTENITIC STAINLESS STEEL PIPES

SeAH SeAH Steel Corp.

(주)세아제강

수요자 CUSTOMER : TEXAS PIPE & SUPPLY

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

HEAD OFFICE; SEAH TOWER, 45 YANGHWA-RO, MAPO-GU, SEOUL, SOUTH KOREA

주문자 SHIPPER : SEAH STEEL AMERICA, INC.

MANUFACTURED IN CHANGWON PLANT; 280, GONGDAN-RO, SEONGSAN-GU, CHANGWON-SI, GYEONGSANGNAM-DO, SOUTH KOREA

ITEM NO.	HEAT NO. (BATCH NO.)	등급 GRADE	주문치수 ORDER SIZE				수량 QUANTITY			비고 REMARKS
			3"	X SCH40S	X 20.000 FT	본수 PCS.	총길이 TOTAL LENGTH	중량(M/T) WEIGHT		
9	SE25771 (SB21380010)	TP304/304L	3"	X SCH40S	X 20.000 FT	5	100.000 FT	0.348	NACE MR 0175/0103, ISO 15156 MERCURY FREE AND RADIATION FREE PICKLED AND PASSIVATED CORROSION TESTED TO ASTM A262 PRACTICE E ELONGATION IN 2" EDDY CURRENT TEST ACCORDING TO ASTM PRACTICE E426 COUNTRY OF ORIGIN : KOREA	
10	SE24583 (SB21470010)	TP304/304L	1/2"	X SCH40S	X 20.000 FT	477	9,540.000 FT	3.721		
11	SE24609 (SB21470020)	TP304/304L	1/2"	X SCH40S	X 20.000 FT	70	1,400.000 FT	0.546		
12	SD49684 (SB21470170)	TP304/304L	1/2"	X SCH80S	X 20.000 FT	284	5,680.000 FT	2.840		

ITEM NO.	HEAT NO. (BATCH NO.)	HYDROSTATIC		PNEUMATIC		N.D.T	V.D.I.S.U.E. & I.O.N	F.L.A.T.T.E.N.I.N.G	F.L.A.R.I.N.G	F.L.A.N.G.E	R.e.v. B.E.N.D	R.e.v. F.L.A.T.T.E.N.I.N.G	B.E.N.D	C.O.R.R.O.S.I.O.N	CHEMICAL COMPOSITION										TENSILE TEST			IMPACT		HARDNESS TEST	
		Sec	R.E.S.U.L.T	Sec	R.E.S.U.L.T										D.E.S.I.G	C	Si	Mn	P	S	Ni	Cr	Mo	N	D.I.R	TENSILE STRENGTH	YIELD STRENGTH	E.L.	ENERGY		LATERAL EXPAN-SION
																										psi	psi	%	Joule		mm
																	*3			*4											
기준 SPEC															MAX MIN	35 100	200 45	30 1100	2000 800	1800									99		
9	SE25771 (SB21380010)					G	G	G						G	H	21	39	144	31	4	807	1809							87		
10	SE24583 (SB21470010)					G	G	G						G	H	18	37	146	32	3	806	1811							87		
11	SE24609 (SB21470020)					G	G	G						G	H	25	38	144	32	2	807	1814							87		
12	SD49684 (SB21470170)					G	G	G						G	H	18	42	143	32	3	804	1813							88		
															L														88		
															L	92820	44090	58													
															L	96880	49450	56													
															L	97250	49740	56													
															L	99780	47130	57													
															L	95720	46700	57													
															L	95910	47150	57													

NOTE: *1 U : 초음파검사(Ultrasonic Test.) E : 와류탐상검사(Eddy Current Test.) P : 침투탐상시험(Penetrant Test.) R : 방사선검사(Radiographic Test.) *2 H : 열원분석(Heat(Ladle) Analysis) P : 제품분석(Product Analysis) *3 2 : x 100 3 : x 1000 4 : x 10000 G : Good *4 L : 압연방향(Base Metal Longitudinal.) T : 원주방향(Base Metal Transverse.) W : 용접부(Weld Part.) THE MATERIAL HAS BEEN SOLUTION HEAT TREATMENT AT MIN 1040°C 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. *D.W. Kam*

