

PAGE : 1 / 1		MILL TEST & INSPECTION CERTIFICATE																				DATE OF ISSUE : 2026-06-23																																																																																																																																							
CERTIFICATE NO. : PE202606-0096-000756(7000125)		SeAH Steel HEAD OFFICE; SEAH TOWER, 45 YANGHWA-RO, MAPO-GU, SEOUL, KOREA POHANG PLANT ; 136, GOEDONG-RO, NAM-GU, POHANG, KOREA																				L/C No. (P/O No.) : PO26100031(91-1255)																																																																																																																																							
COMMODITY : H.F.W STEEL PIPE																						CUSTOMER : SIXGEN TRADING COMPANY LLC																																																																																																																																							
SPECIFICATION : API 5L X52M PSL2(46th)/ASTM A53B(2024)/ASME SA53B(2025)																						SHIPPER : SEAH STEEL AMERICA,INC.																																																																																																																																							
<table><tr><td rowspan="2">NO.</td><td rowspan="2">HEAT NO. (BATCH NO.)</td><td>TYPE</td><td rowspan="2">ORDER SIZE</td><td colspan="3">QUANTITY</td><td rowspan="2">REMARK</td></tr><tr><td>*1</td><td>PCS</td><td>TOTAL LENGTH</td><td>WEIGHT(FT/T)</td></tr><tr><td>1</td><td>ZP1198 (SAA4302030)</td><td>BBE</td><td>8,5/8 " X 0.500 " X 42.000 FT</td><td>94</td><td>3,948.000 FT</td><td>77.776</td><td>* CONFIRM TO NACE MR 0175 & MR 0103 (CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS VALUE ONLY) * HARDNESS TEST RESULT : Max. Value * TENSILE SPECIMEN : RECTANGULAR (1L90-WIDTH 1", 1T180 & 1W-WIDTH 1½") * UT/ET CALIBRATION REFERENCE : Φ 3.2MM DRILLED HOLE * IMPACT TEST SPECIMEN(3T90/2V) : * HEAT TREATMENT TEMPERATURE OF WELD SEAM : MIN 900°C * METALLOGRAPHIC TEST ; GOOD Steel Making :NSC(JAPAN) Coil Rolling : NSC(JAPAN)</td></tr></table>																										NO.	HEAT NO. (BATCH NO.)	TYPE	ORDER SIZE	QUANTITY			REMARK	*1	PCS	TOTAL LENGTH	WEIGHT(FT/T)	1	ZP1198 (SAA4302030)	BBE	8,5/8 " X 0.500 " X 42.000 FT	94	3,948.000 FT	77.776	* CONFIRM TO NACE MR 0175 & MR 0103 (CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS VALUE ONLY) * HARDNESS TEST RESULT : Max. Value * TENSILE SPECIMEN : RECTANGULAR (1L90-WIDTH 1", 1T180 & 1W-WIDTH 1½") * UT/ET CALIBRATION REFERENCE : Φ 3.2MM DRILLED HOLE * IMPACT TEST SPECIMEN(3T90/2V) : * HEAT TREATMENT TEMPERATURE OF WELD SEAM : MIN 900°C * METALLOGRAPHIC TEST ; GOOD Steel Making :NSC(JAPAN) Coil Rolling : NSC(JAPAN)																																																																																																																
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NO.	HEAT NO. (BATCH NO.)	HYDRO STATIC TEST		COLLAPSE	N.D.T	V.D.I.S.M.U.E.A.N.L.S.I.&	F.L.A.T.T.E.N.I.N.G	R.M.T (Gs)	B.E.N.D.I.N.G	D.R.I.F.T	CHEMICAL COMPOSITION(%)																	TENSILE TEST									IMPACT TEST(0 °C)								Drop Weight Tear Test	HARDNESS TEST	HEAT TREATMENT																																																																																																														
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		psi	2									3		2	2	2	2	3	3	3	4	C1	psi	psi																		*9	*10	1	2	3	AVE	1	2	3	AVE	1	2	AVE	HV	SN																																																																																																					
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1		ZP1198 (SAA4302030)	2970	G		G	G	G	G			H P P -	7 8 8 B	20 21 21 L	94 95 95 A	13 13 14 N	2 2 3 K	1 2 2 -	1 1 1 -	1 2 2 -	0 0 0 -	1 4 4 -	16 14 14 -	15 15 2 -	13 14 14 -		74110 77010	67440	91 41	41	B	207	270	296	258	100	100	100	100					207	G																																																																																																																
NOTE		*1 ~ *12: Refer To Others	OTHERS	*1-BBE:BLACK BEVELED END(30°~ 35°) *G:GOOD *R.M:Residual Magnetism(Gauss) *DIR:Direction *LOC:Location *2-U:U:Weld Seam Ultrasonic Test *5-(Analysis)-H:Heat, P:Product *6-0:Values below Significant Figure, 2:X1/100, 3:X1/1000, 4:X1/10000 *9-E.L:Elongation(GL-2") *8-T:Base Transverse,W:Weld Transverse *10-B:Base*11-S.N:Seam Normalizing(Weld and H.A.Z)/Min. 871°C *12-C1(X100):C+Si/30+Mn/20+Cu/20+Ni/60+Cr/20+Mo/15+V/10+5B																				* THIS CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1 ; 2004 ISO 10474 3.1 ; 2013(3.1.B;1991)																																																																																																																																					
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. In case of improper use other than the indicated on this certificate may cause safety hazard and/or monetary problems. All copyrights belong to SeAH, and there will be legal liability or disadvantages if someone else forges this MTR. This mill test report is not related the accreditation standard (KS Q ISO/IEC 17025, operation instructions and etc.)and KOLAS accreditation.																										J. M. Kim Manager of Q.M Dept.										SeAH																																																																																																																									

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CERTIFICATE NO. : PE202606-0096-000756(7000125)

COMMODITY : H.F.W STEEL PIPE

SPECIFICATION : API 5L X52M PSL2(46th)/ASTM A53B(2024)/ASME SA53B(2025)

MILL TEST & INSPECTION CERTIFICATE

SeAH Steel

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

POHANG PLANT ; 136, GOEDONG-RO, NAM-GU, POHANG, KOREA

DATE OF ISSUE : 2026-06-23

L/C No. (P/O No.) : PO26100031(91-1255)

CUSTOMER : SIXGEN TRADING COMPANY LLC

SHIPPER : SEAH STEEL AMERICA,INC.

NO.	HEAT NO. (BATCH NO.)	TYPE	ORDER SIZE	QUANTITY			REMARK
		*1		PCS	TOTAL LENGTH	WEIGHT(FT/T)	
1	ZP1198 (SAA4302030)	BBE	8,5/8 " X 0.500 " X 42.000 FT	94	3,948.000 FT	77.776	* CONFIRM TO NACE MR 0175 & MR 0103 (CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS VALUE ONLY) * HARDNESS TEST RESULT : Max. Value * TENSILE SPECIMEN : RECTANGULAR (1L90-WIDTH 1", 1T180 & 1W-WIDTH 1½") * UT/ET CALIBRATION REFERENCE : Φ 3.2MM DRILLED HOLE * IMPACT TEST SPECIMEN(3T90/2V) : * HEAT TREATMENT TEMPERATURE OF WELD SEAM : MIN 900°C * METALLOGRAPHIC TEST ; GOOD Steel Making :NSC(JAPAN) Coil Rolling : NSC(JAPAN)

NO.	HEAT NO. (BATCH NO.)	HYDRO STATIC TEST	COL LAP PSE	N · D · T	V D I S M U E A N L S I &	F L A T T E N I N G	R · M · T (Gs)	B E N D I N G	D I R I F T	CHEMICAL COMPOSITION(%)																		TENSILE TEST				IMPACT TEST(0 °C)								Drop Weight Tear Test			HARD NESS TEST HV	HEAT TREAT MENT SN																																											
		5 Sec.								RES ULT	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	B	Pcm	CEQ	D I R	TENSILE STRENGTH	YIELD STRENGTH	Y.R %	E.L %	L O C	ENERGY (Joule)				SHEAR AREA (%)				()																																															
		psi																														2		3		2	2	2	2	3	3	3			4	C1	25	110200 66700	76900 52200	93 27	21	27	100 100 100 100	100 100 100 100	1	2	AVE	1	2	AVE																											
																																*2	*6																												*12	*7	*8	psi	psi	%	%	*9	*10	1	2	3	AVE	1	2	AVE											
																																*3	*4	*5	*11																																																				

SPEC							30			MAX MIN	22	45	120	25	15	40	40	40	15	50	50	40	10	25			110200 66700	76900 52200	93 27											250				
1	ZP1198 (SAA4302030)	2970	G		G	G	G	G		H P P -	7 8 8 B	20 21 21 L	94 95 95 A	13 13 14 N	2 2 3 K	1 2 2 -	1 1 1 -	1 2 2 -	0 0 0 -	1 4 4 -	16 14 14 -	15 15 15 -	13 14 2 -		T W	74110 77010	67440	91 41	41	B	207	270	296	258	100	100	100	100					207	G

NOTE

*1 ~ *12:
Refer To
Others

OTHERS

*1-BBE:BLACK BEVELED END(30°~ 35°) *G:GOOD *R.M:Residual Magnetism(Gauss) *DIR:Direction *LOC:Location
*2-U:U:Weld Seam Ultrasonic Test *S-(Analysis)-H:Heat, P:Product
*6-0:Values below Significant Figure, 2:X1/100, 3:X1/1000, 4:X1/10000 *9-E.L:Elongation(GL-2")
*8-T:Base Transverse,W:Weld Transverse *10-B:Base*11-S.N:Seam Normalizing(Weld and H.A.Z)/Min. 871°C
*12-C1(X100):C+Si/30+Mn/20+Cu/20+Ni/60+Cr/20+Mo/15+V/10+5B

* THIS CERTIFICATE IS ISSUED
ACCORDING TO EN 10204 3.1 ; 2004
ISO 10474 3.1 ; 2013(3.1.B;1991)

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.
In case of improper use other than the indicated on this certificate may cause safety hazard and/or monetary problems.
All copyrights belong to SeAH, and there will be legal liability or disadvantages if someone else forges this MTR.
This mill test report is not related the accreditation standard (KS Q ISO/IEC 17025, operation instructions and etc.)and KOLAS accreditation.

J. M. Kim

Manager of Q.M Dept.

SeAH

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CERTIFICATE NO. : PE202606-0122-000782(5032711)

COMMODITY : H.F.W STEEL PIPE

SPECIFICATION : API 5L X52M PSL2(46th)/ASTM A53B(2024)/ASME SA53B(2025)

MILL TEST & INSPECTION CERTIFICATE

SeAH Steel

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

DATE OF ISSUE : 2026-06-23

L/C No. (P/O No.) : PO26100031(91-1255)

CUSTOMER : SIXGEN TRADING COMPANY LLC

SHIPPER : SEAH STEEL AMERICA,INC.

NO.	HEAT NO. (BATCH NO.)	TYPE	ORDER SIZE	QUANTITY			REMARK
		*1		PCS	TOTAL LENGTH	WEIGHT(FT/T)	
1	V83497 (SAA6012030)	BBE	8,5/8 " X 0.500 " X 42.000 FT	51	2,142.000 FT	42.197	* CONFIRM TO NACE MR 0175 & MR 0103 (CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS VALUE ONLY) * HARDNESS TEST RESULT ; Max. Value * TENSILE SPECIMEN : RECTANGULAR (1T180 & 1W-WIDTH 1½") * UT CALIBRATION REFERENCE : Φ 3.2MM DRILLED HOLE * IMPACT TEST SPECIMEN(3T90/2V) : Full Size * METALLOGRAPHIC TEST ; GOOD * JD FIELDS Steel Making :HYUNDAI STEEL (KOREA) Coil Rolling : HYUNDAI STEEL (KOREA)
2	V74611 (SAA6012040)	BBE	8,5/8 " X 0.500 " X 42.000 FT	18	756.000 FT	14.893	
3	V83663 (SAA6012050)	BBE	8,5/8 " X 0.500 " X 42.000 FT	11	462.000 FT	9.102	
4	V83501 (SAA6012060)	BBE	8,5/8 " X 0.500 " X 42.000 FT	14	588.000 FT	11.583	

NO.	HEAT NO. (BATCH NO.)	HYDRO STATIC TEST	COL LAP S E	N · D · T	V D I I S M U E A N L S I &	F L A T T E N I N G	R · M · T (Gs)	B E N D I N G	D R I F T	CHEMICAL COMPOSITION(%)																TENSILE TEST				IMPACT TEST(0 °C)								Drop Weight Tear Test	HARD NESS TEST	HEAT TREAT MENT							
		5 Sec.								R E S U L T	D E S I G	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	B	Pcm	CEQ	D I R	TENSILE STRENGTH	YIELD STRENGTH	Y.R %	E.L %	L O C	ENERGY (Joule)				SHEAR AREA (%)				()	HV	SN				
		psi										2	3	2	2	2	2	3	3	3	4	C1	102000 66700	76900 52200	93 27	1							2	3	AVE	1	2							3	AVE	1	2
		*2										*3	*4	*5	*6	*12	*7	*8	psi	psi	*9	*10	1	2	3	AVE							1	2	3	AVE	1	2	AVE	*11							

SPEC							30			MAX MIN	22	45	120	25	15	40	40	40	15	50	50	40	10	25			110200 66700	76900 52200	93 27			21	27							250				
1	V83497 (SAA6012030)	2970	G		G	G	G	G		H	6	14	97	12	2	2	1	3	0	2	36	1		12		T	81940	75420	92	37	B	278	314	323	305	100	100	100	100				207	G
2	V74611 (SAA6012040)	2970	G		G	G	G	G		H	6	17	106	11	1	1	1	3	0	2	32	1		12		T	79620	73090	92	38	B	280	307	308	298	100	100	100	100				199	G
3	V83663 (SAA6012050)	2970	G		G	G	G	G		H	6	16	100	14	2	2	2	4	0	3	35	1		12		T	80200	73960	92	36	B	308	281	277	289	100	100	100	100				203	G
4	V83501 (SAA6012060)	2970	G		G	G	G	G		H	6	16	102	13	2	2	1	3	0	2	36	1		12		T	82670	75560	91	38	B	273	285	296	285	100	100	100	100				210	G
										P	6	17	106	14	2	2	1	3	0	4	34	1		12		W	77010																	

N O T E	*1 ~ *12: Refer To Others	O T H E R S	*1-BBE:BLACK BEVELED END(30°~ 35°) *G:GOOD *R.M:Residual Magnetism(Gauss) *DIR:Direction *LOC:Location *2-U:U:Weld Seam Ultrasonic Test *S-(Analysis)-H:Heat, P:Product *6-0:Values below Significant Figure, 2:X1/100, 3:X1/1000, 4:X1/10000 *9-E.L:Elongation(GL-2") *8-T:Base Transverse,W:Weld Transverse *10-B:Base*11-S.N:Seam Normalizing(Weld and H.A.Z)/Min. 871°C *12-C1(X100):C+Si/30+Mn/20+Cu/20+Ni/60+Cr/20+Mo/15+V/10+5B																												* THIS CERTIFICATE IS ISSUED ACCORDING TO EN 10204 3.1 ; 2004 ISO 10474 3.1 ; 2013(3.1.B;1991)													
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SPECIFICATION : API 5L X52M PSL2(46th)/ASTM A53B(2024)/ASME SA53B(2025)

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SeAH Steel

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CUSTOMER : SIXGEN TRADING COMPANY LLC

SHIPPER : SEAH STEEL AMERICA,INC.

NO.	HEAT NO. (BATCH NO.)	TYPE	ORDER SIZE	QUANTITY			REMARK
		*1		PCS	TOTAL LENGTH	WEIGHT(FT/T)	
5	V83501 (SAA6021010)	BBE	8,5/8 " X 0.500 " X 42.000 FT	12	504.000 FT	9.929	* CONFIRM TO NACE MR 0175 & MR 0103 (CHEMICAL COMPOSITION, HEAT TREATMENT AND HARDNESS VALUE ONLY) * HARDNESS TEST RESULT ; Max. Value * TENSILE SPECIMEN : RECTANGULAR (1T180 & 1W-WIDTH 1½") * UT CALIBRATION REFERENCE : Φ 3.2MM DRILLED HOLE * IMPACT TEST SPECIMEN(3T90/2V) : Full Size * METALLOGRAPHIC TEST ; GOOD * JD FIELDS Steel Making :HYUNDAI STEEL (KOREA) Coil Rolling : HYUNDAI STEEL (KOREA)
6	V83663 (SAA6022020)	BBE	8,5/8 " X 0.500 " X 42.000 FT	5	210.000 FT	4.137	

NO.	HEAT NO (BATCH NO.)	HYDRO STATIC TEST	COL LAP PSE	N · D · T	V D I I S M U E A N L S I &	F L A T T E N I N G	R · M · T (Gs)	B E N D I N G	D I R I F T	CHEMICAL COMPOSITION(%)																		TENSILE TEST				IMPACT TEST(0 °C)								Drop Weight Tear Test			HARD NESS TEST	HEAT TREAT MENT																					
		5 Sec.								RES ULT	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	B	Pcm	CEQ	D I R	TENSILE STRENGTH	YIELD STRENGTH	Y.R %	E.L %	L O C	ENERGY (Joule)				SHEAR AREA (%)				()					HV	SN																			
		psi																														2		3		2	2	2	2	3	3	3					4	C1	AVE				1	2	3	AVE	1	2	AVE						
																																*2	*6															*12	*7	*8	psi	psi	%	%	*9	*10	1	2	3	AVE	1	2	AVE		*11
		SPEC																																				30			MAX MIN	22	45	120	25	15	40	40	40	15	50	50	40	10	25		110200 66700	76900 52200	93 27		21				27
5	V83501 (SAA6021010)	2970	G		G	G	G	G			H	6	16	102	13	2	2	1	3	0	2	36	1	12		T	82670	75560	91	38	B	273	285	296	285	100	100	100	100				210	G																					
6	V83663 (SAA6022020)	2970	G		G	G	G	G			H	6	16	100	14	2	2	2	4	0	3	35	1	12		W	77010																																						
											P	6	17	106	14	2	2	1	3	0	4	34	1	2	12		W	80200	73960	92	36	B	308	281	277	289	100	100	100	100				203	G																				
											-	B	L	A	N	K	-									W	82670																																						

NOTE

*1~*12: Refer To Others

OTHERS

*1-BBE:BLACK BEVELED END(30°~ 35°) *G:GOOD *R.M:Residual Magnetism(Gauss) *DIR:Direction *LOC:Location
*2-U:U:Weld Seam Ultrasonic Test *S-(Analysis)-H:Heat, P:Product
*6-0:Values below Significant Figure, 2:X1/100, 3:X1/1000, 4:X1/10000 *9-E.L:Elongation(GL-2")
*8-T:Base Transverse,W:Weld Transverse *10-B:Base*11-S.N:Seam Normalizing(Weld and H.A.Z)/Min. 871°C
*12-C1(X100):C+Si/30+Mn/20+Cu/20+Ni/60+Cr/20+Mo/15+V/10+5B

* THIS CERTIFICATE IS ISSUED
ACCORDING TO EN 10204 3.1 ; 2004
ISO 10474 3.1 ; 2013(3.1.B;1991)

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.
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This mill test report is not related the accreditation standard (KS Q ISO/IEC 17025, operation instructions and etc.)and KOLAS accreditation.

J. M. Kim

Manager of Q.M Dept.