

Heat: SB88576  
Your PO: PO241599-15

Order: 3090521 Line: 2  
Item:

MILL TEST REPORT

EN10204 TYPE 3.1:2004

CERTIFICATE No. 200608-02-02-R1  
CONTACT(P/O) NO. 3263/250325-00  
ISSUED DATE. 2020-06-08  
COMMODITY. H.F.W. STEEL PIPE  
SPECIFICATION. API 5L B / X42 PSL1 (2018)  
ASTM A53B (2018) / ASME SA53B (2017)



• MANUFACTURER : NEXTEEL CO., LTD  
• NAME & LOCATION OF FACILITIES USED FOR PIPE MANUFACTURING  
: NEXTEEL CO.,LTD & 768 195 SONGDEOK-RO 212 BEON-GIL  
DAESONG-MYEON, NAM-GU POHANG, KR

• COIL ROLLING AND STEELMAKING.  
: POSCO&6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongbuk, Korea

CUSTOMER: MASTER PIPE DISTRIBUTION COMPANY, LLC

\* THE PIPE AND COATINGS ARE FREE OF BOTH MERCURY AND LEAD \* THE PIPE HAS BEEN TESTED PER RELEVANT SPECIFICATIONS \* NACE MR0175/MR0103 HARDNESS ONLY

ITEM NO.	TYPE OF PIPE END	NOMINAL SIZE	Dimension (O.D x Thick. x L)	QUANTITY (PCS)	TOTAL WEIGHT (kg)	HEAT NO	(MECHANICAL PROPERTIES) (Gauge Length: 2 INCH)			CHEMICAL COMPOSITION(%)														HYDRO-STATIC TEST		IMPACT TEST		HARDNESS TEST		Corrosion TEST		RE MARK						
							YIELD STRENGTH psi (MPa)	TENSILE STRENGTH psi (MPa)		EL (%)	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Sol - Al	Ti	B	Nb	Caq.	H-Time:5sec		ABSORBED ERGY (J)	T.P (PSI)	RE-SULT	(0)°C, 27 Jf		HRB	HV	HIC	SSCC		
								B	W																	T.P	RE-SULT										e	e
								0.25%l																		0	0										e	e
1	BBE	12	12.75" x 0.406" x 21	5	2.551	SB50548	62350	73080	77290	42	H	654	205	1115	124	31	4	2	17		2		25	1	240	2280	G			86								
							P	727	206	1100	140	39	4	2	18	Tr	Tr	27	11	3	228																	
							P	692	204	1089	134	37	4	2	18	Tr	Tr	27	12	3	227																	
2	BBE	12	12.75" x 0.406" x 21	52	26.535	SB88573	58580	70180	74680	39	H	1766	24	768	100	30	2	1	8		1		10	1	10	2280	G			86								
							P	1638	13	742	77	19	2	1	4	Tr	Tr	29	Tr	Tr	Tr																	
							P	1657	14	760	83	21	2	1	5	Tr	Tr	29	Tr	Tr	Tr																	
3	BBE	12	12.75" x 0.406" x 42	65	66.336	SB88573	58580	70180	74680	39	H	1766	24	768	100	30	2	1	8		1		10	1	10	2280	G			86								
							P	1638	13	742	77	19	2	1	4	Tr	Tr	29	Tr	Tr	Tr																	
							P	1657	14	760	83	21	2	1	5	Tr	Tr	29	Tr	Tr	Tr																	
SUB TOTAL				122	95.422																																	
HEAT TREATMENT (WELD SEAM)		VISUAL & DIMENSION		FLATTENING, BEND, GUIDED BEND TEST		REVERSE FLATTENING TEST		WELD DUCTILITY TEST		FLARING TEST		RESIDUAL MAGNETISM TEST		CRUSH TEST		STRAIGHTNESS		DRIFT TEST		NONDESTRUCTIVE TEST(NDT)⑩				M.T														
G		G		G		G		G		G		G		G		G		G		SEAM FULL BODY				G														
NOTE	① BPE: BLACK PLAIN END, BBE: BPE BEVELLED END, BTE: BLACK THREADED END, BTC: BLACK THREADED & COUPLED, GPE: GALVANIZED PLAIN END, ② O.D: OUTSIDE DIAMETER, (Unit : Inch) Thick: Wall Thickness, (Unit : Inch) ③ Length: (Unit : Feet) ④ B: BASE METAL, W: WELD SEAM ⑤ H: HEAT(LADLE) ANALYSIS, P: PRODUCT ANALYSIS						⑥ Chemical Composition Unit: -4: x 1/10000, -3: x 1/1000, -2: x 1/100 (The test value less than each unit is regarded as Tr) ⑦ Carbon Equivalent: 1.C≤0.12%, CE(Pcm)= C+Si/30+Mn/20+Cu/20+Ni/60+Cr/20+Mo/15+W/10+5B 2.C>0.12%, CE(IIW)= C+Mn/6+(Ni+Cu)/15+(Cr+Mo+V)/5 ⑧ T.P: TEST PRESSURE ⑨ G: Good ⑩ NDT: NONDESTRUCTIVE TEST, E.T: EDDY CURRENT TEST, U.T: ULTRASONIC TEST.						* Tensile Test (Strip Type Specimen: Width) : 0.D≤3-1/2"→15mm, 4"<0.D≤7-5/8"→25mm, 8-5/8"≤0.D→38mm * Tensile Test (Location & orientation for Specimen) 1) 0.D < 8-5/8" : L90 (Pipe Body) 2) 8-5/8" ≤ 0.D : T180 (Pipe Body), T (Weld Seam) * Reference Indicator for NDE : N10 3.2mm (0.125") * Min. temperature for Heat Treatment : Min. 850°C * This material has been fully killed and made by basic oxygen process. * This material is fine grained steel.																									
	SIGNATURE						WE HEREBY CERTIFY THAT THE PRODUCTS HERE IN HAVE BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ORDER.						SIGNATURE C. K. An MANAGER OF QUALITY ASSURANCE TEAM																									

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								B	W																	T.P (PSI)	RE-SULT								e
4	BBE	12	12.75" x 0.406" x 42	134	136,754	SB88576	58290	69600	77140	41	H	1933	22	845	106	20	2	1	9	1	9	10	2280	G			87								
							P	1801	23	822	90	16	2	1	3	Tr	Tr	22	Tr	Tr	Tr														
							P	1785	23	815	88	15	2	1	3	Tr	Tr	23	Tr	Tr	Tr														
SUB TOTAL				134	136,754																														
**GRAND TOTAL**				256	232,176																														
HEAT TREATMENT (WELD SEAM)		VISUAL & DIMENSION		FLATTENING, BEND, GUIDED BEND TEST		REVERSE FLATTENING TEST		WELD DUCTILITY TEST		FLARING TEST		RESIDUAL MAGNETISM TEST		CRUSH TEST		STRAIGHTNESS		DRIFT TEST		NONDESTRUCTIVE TEST(NDT)⑩				M.T											
G		G		G		G		G		G		G		G		G		G		SEAM FULL BODY				G											
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SURVEYOR TO :																C. K. An																			
향식-B500-01(rev.0)		NEXTEEL CO., LTD														MANAGER OF QUALITY ASSURANCE TEAM																			
																A4(210x297)																			