

Page/페이지 : 1 of 1
 Order No./계약번호 :
 PO No./주문번호 : 26.012
 Commodity/품명 : E.R.W STEEL PIPE
 Spec & Type/규격 : ASTM(2020) / ASME(2017) A /SA53 A

Mill Test Certificate / 검사증명서

EN10204 TYPE 3.1

JJSTEEL CO., LTD



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Customer/주문자 : HUG STEEL GROUP
 End Customer/수요자 : HUG STEEL GROUP

Certificate No./증명서번호 : JJST-24D-01
 Date of Issue/발행일자 : 2024. 04. 15

Type of Pipe 관종 ※1	Dimension / 치수		Quantity/수량				Hydrostatic Test 수압시험		Heat No. 재간번호	Tensile Test/인장시험			Chemical Composition/화학성분(%) Unit: 2=x1/100, 3=x1/1000, 4=x1/10,000											
	Outdia x Thick x Length (in x in x ft)		PCS /LIFT	LIFT	PCS	FEET	MT	Psi		※2	Tensile Strength	Yield Strength	EL	Division ※3	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V
											Psi		%	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Acceptance Criteria / 합격기준										48,000 ↓	30,000 ↑	27 ↑		25 ↓	-	95 ↓	50 ↓	45 ↓	40 ↓	40 ↓	40 ↓	15 ↓	8 ↓	
BVPE	3/4 X 0.113 X 21	84	33	2,772	58,212	30,270	700	5	S92341	56,900	43,126	43	H	7	1	43	13	7	Tr	Tr	Tr	Tr	Tr	
													P	7	1	45	12	6	Tr	Tr	Tr	Tr	Tr	
BVTC	3/4 X 0.113 X 21	84	29	2,436	51,156	26,601	700	5	S92341	56,900	43,126	43	H	7	1	43	13	7	Tr	Tr	Tr	Tr	Tr	
													P	7	1	45	12	6	Tr	Tr	Tr	Tr	Tr	
BVPE	1 X 0.133 X 21	60	25	1,500	31,500	23,940	700	5	S96633	56,740	40,361	43	H	7	1	46	13	6	Tr	Tr	Tr	Tr	Tr	
													P	7	1	45	11	6	Tr	Tr	Tr	Tr	Tr	
BVPE	1 X 0.133 X 21	60	4	240	5,040	3,830	700	5	S90335	57,002	42,775	42	H	6	1	42	12	5	Tr	Tr	Tr	Tr	Tr	
													P	7	1	43	13	6	Tr	Tr	Tr	Tr	Tr	
BVTC	1 X 0.133 X 21	60	27	1,620	34,020	25,855	700	5	S98433	56,420	42,585	42	H	7	1	45	14	8	Tr	Tr	Tr	Tr	Tr	
													P	7	1	43	14	7	Tr	Tr	Tr	Tr	Tr	
BVTC	1 X 0.133 X 21	62	1	62	1,302	0,990	700	5	S98433	56,420	42,585	42	H	7	1	45	14	8	Tr	Tr	Tr	Tr	Tr	
													P	7	1	43	14	7	Tr	Tr	Tr	Tr	Tr	
BVPE	1-1/4 X 0.140 X 21	42	20	840	17,640	18,169	1,200	5	S96629	56,376	40,639	42	H	7	1	45	12	6	Tr	Tr	Tr	Tr	Tr	
													P	7	1	43	14	7	Tr	Tr	Tr	Tr	Tr	
BVTC	1-1/4 X 0.140 X 21	42	19	798	16,758	17,428	1,200	5	S96629	56,376	40,639	42	H	7	1	45	12	6	Tr	Tr	Tr	Tr	Tr	
													P	7	1	43	14	7	Tr	Tr	Tr	Tr	Tr	
BVBE	2 X 0.154 X 21	26	6	156	3,276	5,438	2,300	5	S92344	55,547	40,083	42	H	7	1	46	12	5	Tr	Tr	Tr	Tr	Tr	
													P	7	1	45	13	7	Tr	Tr	Tr	Tr	Tr	
BVTC	2 X 0.154 X 21	26	21	546	11,466	19,034	2,300	5	S92344	55,547	40,083	42	H	7	1	46	12	5	Tr	Tr	Tr	Tr	Tr	
													P	7	1	45	13	7	Tr	Tr	Tr	Tr	Tr	
TOTAL--				185	10,970	230,370	171,555																	
Visual & Dimension Inspection/육안 및 치수			Flattening Test/편평시험			Eddy Current Test/와류탐상검사			Bend Test/굽힘시험															
Good			N/A			Good			Good															
※1 Type of pipe End 관종(B: Bare, V: Varnish, PE: Plain Ends, BE: Bevel Ends, TC: Threads Coupling) ※2 Holding Time: sec ※3 H: Heat(Ladle) Analysis 열연분석, P: Product Analysis 제품분석										※ Tensile test specimen : Gauge Length 2" ※ Tr: Trace ※ Country of melt and pour : South Korea														
We hereby certify that the material described specification herein has been accepted in accordance with the prescribed specification and order. 본 제품은 관련규격에 합격 되었음을 보증합니다.										 Manager of Quality Assurance Team														
Surveyor																								