

Contract No.	
PO No.	SSW132390
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 GR50/A592/CSA G4021-13 50MM(45MM)

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

		Factory	53, Jungbong-Daero, Dong-gu, Incheon, S. Korea
		Certificate No.	IH20230200078-16
		Class certificate No.	
Issue date	2023-03-02		

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Test			BEND TEST			Impact Test(I)			Remarks (Impact Specimen Steel)		
					C	SI	Mn	P	S	Cu	NI	Mo	Cr	Al	V	Nb	N	Cm	Yield strength	Tensile strength	Elongation	Ratio	BEND TEST	AVG	1	2	3	°C					
21X12-1/4X132	60.00 FT	N 086433	2	7.184	17	15	113	25	13	23	8	2	11	2	15	1	121	41	552	383	26.8	0.694											
21X12-1/4X132	60.00 FT	N 086437	1	3.592	17	15	112	14	6	21	7	2	9	2	15	1	130	40	551	393	26.4	0.714											
21X12-1/4X147	40.00 FT	N 066433	4	10.668	17	15	113	25	13	23	8	2	11	2	15	1	121	41	555	406	23.8	0.732											
24X9X68	45.00 FT	N 065997	2	2.776	18	20	63	22	6	24	8	2	13	5	15	1	149	34	543	387	27.8	0.713											
24X9X68	45.00 FT	N 065998	6	8.328	18	21	64	24	8	22	8	2	15	5	14	1	156	34	546	401	27.2	0.735											
24X7X55	40.00 FT	E 235301	3	2.994	13	15	55	27	10	32	10	2	18	4	13	1	121	29	552	396	27.0	0.718											
24X7X55	40.00 FT	E 235302	6	5.988	15	19	54	21	6	26	8	2	11	5	13	1	129	29	556	402	26.8	0.724											
24X7X55	40.00 FT	E 235303	6	5.988	14	17	56	23	7	25	9	1	13	4	13	1	112	29	516	412	28.0	0.799											
24X7X55	40.00 FT	E 235584	1	998	11	18	51	13	9	24	9	3	9	11	13	1	94	24	514	412	27.5	0.802											
24X7X55	40.00 FT	E 235587	1	998	14	18	53	18	5	24	12	3	10	6	12	1	109	28	511	401	28.1	0.798											
SUB TOTAL			32	49.514															483	372	26.0	0.771											

Note
Melted and Poured in Republic of Korea

(1) Ceq: (C+Cr+V+Mo)/5+(Cu+Ni)/15+Mn/6
 (2) Gauge length: 200 mm
 (3) Y.R = Y/S/T/S

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.

General Manager of QA Team

This test report can be verified the authenticity to scan the top-right QR code via "Qreal" mobile app.

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* 원단재질은 검사증명서를 사본으로 제출하지 않습니다. 사본일 경우, 원단재질 각 영입소로 확인하시기 바랍니다. 문의:02-772-2125

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