

Contract No.	
PO No.	SSW126168
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)

INSPECTION CERTIFICATE
EN 10204(2004) TYPE 3.1



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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20220508176-11
Class certificate No.	
Issue date	2022-06-02

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Yield Ratio (%)	BEND TEST	Impact Test(L)			Remarks (Impact Specimen Size)	
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE _T	Tensile Strength N/mm ²	Yield Strength N/mm ²			Elongation (%)	V-Notch AVG	1		2
21X12-1/4X101	40.00 FT	N 062336	6	10,992	19	14	93	22	5	30	10	2	14	2	13	1	104	41	562	396	29.1	0.705					
21X12-1/4X111	40.00 FT	N 062334	1	2,014	17	17	93	28	10	28	9	2	19	2	14	3	124	39	550	376	27.5	0.684					
21X12-1/4X111	40.00 FT	N 062335	4	8,056	18	17	94	19	5	25	10	2	13	2	14	1	115	39	553	397	28.0	0.718					
24X12-3/4X104	60.00 FT	N 062040	2	5,662	18	16	93	25	6	15	6	2	13	3	13	1	90	38	553	425	27.5	0.769					
24X12-3/4X104	60.00 FT	N 062041	2	5,662	18	16	92	19	9	16	7	2	13	3	14	1	96	38	556	423	27.9	0.761					
27X10X84	50.00 FT	N 062887	6	11,430	18	14	95	20	7	21	10	3	11	3	12	1	121	39	567	418	27.7	0.738					
27X10X84	55.00 FT	N 062873	3	6,285	18	16	97	25	6	34	10	2	11	4	15	2	129	40	562	403	26.6	0.718					
27X10X84	60.00 FT	N 062870	3	6,858	17	16	95	29	10	25	12	2	19	3	14	1	130	40	563	402	26.0	0.715					
27X10X84	60.00 FT	N 062872	2	4,572	17	15	95	17	6	27	9	2	11	3	14	1	145	38	564	405	26.2	0.719					
TOTAL			1,484	859,991																							

===== END =====

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

Note
Melted and Poured in Republic of Korea

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