

Date: 7/29/2023 To: SENTRY SUPPLY dba SO#: A775229 Ln#: 1 PO#: P0243085 Part: W0602060\* Qty: 1 Heat#: d174989\*  
 Tag: T14072823

Contract No.	
Customer	
PO No.	46221ASV1
L/C No	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(345MM)

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20221105452-2
Class certificate No.	
Issue date	2022-12-01

**INSPECTION CERTIFICATE**  
 EN 10204(2004) TYPE 3.1

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Impact Test(L)			Remarks (Impact Specimen Size)					
					C													Yield Ratio	BEND TEST	V-Notch									
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N			CE <sub>eq</sub>	Tensile Strength	Yield Strength	%		AVG	1	2	3	
6X6X15	60.00 FT	D 174993	32	13,056	16	16	62	20	7	25	12	2	15	3	2	17	97	32	547	407	26.0	0.745							
6X6X15	60.00 FT	D 174994	6	3,264	17	14	63	23	8	23	10	2	19	3	2	18	98	34	551	405	25.6	0.736							
6X6X20	40.00 FT	D 174989	24	8,712	17	14	60	20	10	25	10	2	14	3	2	17	108	33	562	418	25.4	0.744							
6X6X20	40.00 FT	D 174991	32	11,616	16	14	61	22	8	23	11	2	13	3	1	16	123	31	550	406	26.1	0.739							
6X6X20	60.00 FT	D 174989	30	16,320	17	14	60	20	10	25	10	2	14	3	2	17	108	33	548	395	27.0	0.721							
6X6X25	40.00 FT	D 175001	24	10,872	17	15	60	23	12	19	9	3	16	3	2	16	93	33	556	408	26.6	0.734							
6X6X25	40.00 FT	D 175002	16	7,248	11	14	64	29	6	24	9	2	19	3	3	16	132	31	517	379	26.2	0.734							
6X6X25	50.00 FT	D 174989	24	13,608	17	14	60	20	10	25	10	2	14	3	2	17	108	33	512	374	26.3	0.731							
6X6X25	50.00 FT	D 175001	8	4,536	17	15	60	23	12	19	9	3	16	3	2	16	93	33	515	394	25.4	0.766							
8X4X10	35.00 FT	D 174848	1	159	17	14	62	16	10	27	9	2	10	3	2	17	107	32	512	379	26.2	0.734							
<b>SUB TOTAL</b>			<b>199</b>	<b>89,391</b>															<b>548</b>	<b>440</b>	<b>25.1</b>	<b>0.803</b>							

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.

*J. K. Han*

General Manager of Q.A Team  
 HMS I 102(A)-3s A4(7)04-297

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