

Contract No.	Z240104238
Customer	HYUNDAI CORPORATION
PO No.	F240100297
L/C No.	L0696240100250
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 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.	IH20240200315-1
Class certificate No.	
Issue date	2024-03-15

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio (3)	BEND TEST	Impact Test(L)				Remarks (Impact Specimen Size)	Country of Melt and Pour
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(1)	Tensile Strength	Yield Strength	Elongation (2)			V-Notch		°C			
					x100		x1000		x100			x1000		x1000	x100	N/mm2		%	-	-	AVG			1	2	3			
8X6-1/2X24	12.00 M	D 181197	24	10,296	17	14	62	21	3	23	12	2	13	3	1	18	109	33	525	397	23.8	0.757							KOR
				24	10,296	===== E N D =====																							

(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
Country of Produce and Process - Republic of Korea
HSCODE(H Section) : 7216.33

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 Q.A Team

Contract No.	Z240104238
Customer	HYUNDAI CORPORATION
PO No.	F240100297
L/C No.	L0696240100281
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 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.	IH20240200317-1
Class certificate No.	
Issue date	2024-03-15

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio (3)	BEND TEST	Impact Test(L)				Remarks (Impact Specimen Size)	Country of Melt and Pour
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(1)	Tensile Strength	Yield Strength	Elongation (2)			V-Notch		°C			
					x100		x1000		x100			x1000		x10000	x100	N/mm2		%	-	-	AVG			1	2	3			
14X5X22	12.00 M	D 180791	2	786	16	15	60	21	3	19	6	2	18	3	1	15	122	32	568	439	23.1	0.773							KOR
14X5X22	12.00 M	D 181092	13	5,109	16	17	62	25	6	26	9	1	14	2	1	16	111	32	536	402	23.8	0.750							KOR
14X5X22	12.00 M	D 181093	15	5,895	17	15	61	30	6	25	8	2	19	2	1	15	116	34	558	437	24.7	0.784							KOR
TOTAL				30	11,790	===== E N D =====																							

(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
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General Manager of Q.A Team

