4500948494-2

Contract No.	Z240405875
Customer	HYUNDAI CORPORATION
PO No.	F240400480
L/C No.	L0696240600527
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

ORIGINAL

HYUNDAI STEEL

WWW.HYUNDAI-STEEL.COM PAGE: [1 / 1]

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240700273-1
Class certificate No.	
Issue date	2024-09-25

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(1)	Tensile Test Tensile Strength	Yield Strength	Elongation (2)	Yield Ratio (3)	BEND TEST	Impact Test(L) V-Notch AVG	1	2	3	Remarks (Impact Specimen Size)	Country of Melt and Pour
					×100			×1000		×100				×1000			×10000	×100	N/mm2		%	-	-	-					
8X5-1/4X21	12.00 M	D 182616	40	15,000	16	18	60	25	7	25	10	2	15	3	2	16	133	32	542 531	421 394	22.6 23.1	0.777 0.742							KOR
16X7X40	12.00 M	D 182621	10	7,140	16	15	60	21	5	23	12	2	16	3	2	15	118	32	543 545	375 374	24.0 24.7	0.691 0.687							KOR
TOTAL			**50**	**22,140**	====== 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.

지태원

General Manager of Q.A Team

This test report can be verified the authenticity to scan the top-right QR code via 'Qreal' mobile app. 2024.09.25.14:48:58 9201675 HMS I 102(A)-3a A4(210x297)

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Contract No.	Z240405875
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PO No.	F240400480
L/C No.	L0696240600527
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

WWW.HYUNDAI-STEEL.COM PAGE: [1 / 1]

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240700273-1
Class certificate No.	
Issue date	2024-09-25

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition																		Tensile Test			Yield Ratio (3)	BEND TEST	Impact Test(L) V-Notch ℃				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)			AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
8X5-1/4X21	12.00 M	D 182616	40	15,000	16	18	60	25	7	25	10	2	15	3	2	16	133	32					542 531	421 394	22.6 23.1	0.777 0.742								KOR
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General Manager of Q.A Team

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					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
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