Contract No.	Z240605625
Customer	HYUNDAI CORPORATION
PO No.	F240600397
L/C No.	L05D9240800136
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240700288-1
Class certificate No.	
Issue date	2024-09-26

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		%	-	-	-					
8X8X31	12.00 M	D 182736	18	9,954	17	17	63	25	4	27	10	2	16	4	2	17	113	34	529 537	393 395	25.5 25.1	0.743 0.736							KOR
8X8X40	12.00 M	D 182749	15	10,710	10	17	82	23	4	19	8	2	17	3	2	16	120	29	510 504	370 371	26.1 26.3	0.726 0.737							KOR
12X8X40	12.00 M	D 182738	16	11,424	16	19	61	18	4	23	9	2	12	4	2	17	110	31	524 526	373 380	24.7 24.4	0.712 0.723							KOR
TOTAL			49	32,088	====== 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.

지태운

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.

2024.09.26.09:37:10 9201675 HMS I 102(A)-3a A4(210x297)

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