Contract No.	Z240805352
Customer	HYUNDAI CORPORATION
PO No.	F240800407
L/C No.	L05D9241000079
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.	IH20240900228-1
Class certificate No.	
Issue date	2024-10-22

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 183465	18	9,954	10	16	83	16	11	26	9	2	12	2	2	15	129	29	493 494	386 372	25.8 25.4	0.783 0.754							KOR
10X5-3/4X22	12.00 M	D 183456	25	9,825	15	15	59	26	4	25	8	2	21	2	1	14	110	32	539 541	419 418	24.0 23.6	0.778 0.773							KOR
10X5-3/4X26	12.00 M	D 183457	20	9,280	16	15	62	23	5	24	10	3	33	3	3	16	120	36	556 557	438 434	24.8 25.4	0.788 0.780							KOR
10X5-3/4X30	12.00 M	D 183454	19	10,184	16	19	61	21	7	19	6	2	17	3	1	15	123	32	541 537	409 402	22.5 23.0	0.757 0.749							KOR
TOTAL			**82**	**39,243**	====== 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.

2024.10.22.13:11:20 9201675 HMS I 102(A)-3a A4(210x297)

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