Contract No.	Z240104238
Customer	HYUNDAI CORPORATION
PO No.	F240100297
L/C No.	L0201312FS02663
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.	IH20240300041-1
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
																												V-Notch			℃		
					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		%	-	-	-					
8X8X31	6.00 M	D 181359	36	9,972	17	18	63	26	3	25	11	2	22	4	2	16	113	35					552 555	415 412	23.9 24.7	0.752 0.743							KOR
8X8X40	12.00 M	D 181335	12	8,568	20	17	73	21	4	20	10	3	23	4	3	17	126	39					577 568	390 393	25.6 25.0	0.676 0.692							KOR
10X10X49	12.00 M	E 241734	10	8,750	18	14	59	18	11	22	11	2	15	2	14	1	108	34					496 507	361 364	28.8 28.4	0.728 0.718							KOR
16X7X40	12.00 M	D 181399	28	19,992	18	15	72	21	7	27	11	2	19	3	2	15	115	37					574 570	406 405	21.4 21.6	0.708 0.711							KOR
TOTAL			**86**	**47,282**	====== 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.

지태윤

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. 2024.03.15.14:19:19 9201675 HMS I 102(A)-3a A4(210x297)