Contract No.	Z240104238
Customer	HYUNDAI CORPORATION
PO No.	F240100297
L/C No.	L0696240100281
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.	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
																											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		%	-	-	-					
14X5X22	12.00 M	D 180791	2	786	16	15	60	21	3	19	6	2	18	3	1	15	122	32				568 567	439 430	23.1 23.5	0.773 0.759							KOR
14X5X22	12.00 M	D 181092	13	5,109	16	17	62	25	6	26	9	1	14	2	1	16	111	32				536 548	402 415	23.8 23.5	0.750 0.758							KOR
14X5X22	12.00 M	D 181093	15	5,895	17	15	61	30	6	25	8	2	19	2	1	15	116	34				558 546	437 427	24.7 24.9	0.784 0.783							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
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. 2024.03.15.14:18:10 9201675 HMS I 102(A)-3a A4(210x297)