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

HYUNDAI STEEL

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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600107-1
Class certificate No.	
Issue date	2024-07-01

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		%	-	-	-					
8X8X40	12.00 M	D 182383	13	9,282	17	15	61	26	5	21	10	2	21	4	2	16	127	34					555 549	389 373	25.3 25.1	0.701 0.680							KOR
12X8X40	12.00 M	D 180459	1	714	16	14	62	26	3	25	10	1	24	4	2	17	139	34					540 532	380 391	24.4 23.9	0.704 0.735							KOR
12X8X40	12.00 M	D 182441	12	8,568	10	16	80	21	4	27	11	3	15	4	2	16	118	30					514 508	384 394	26.2 26.6	0.748 0.776							KOR
TOTAL			**26**	**18,564**	====== 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. 2024.07.01.10:36:06 9201675 HMS I 102(A)-3a A4(210x297)

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