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

WWW.HYUNDAI-STEEL.COM PAGE: [1 / 1]

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240800432-1
Class certificate No.	
Issue date	2024-09-26

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		%	-	-	-					
10X10X49	12.00 M	E 244061	3	2,625	18	17	63	18	11	25	10	2	10	2	17	1	94	34					525 526	391 395	26.4 27.2	0.745 0.751							KOR
10X10X49	12.00 M	E 244062	9	7,875	20	14	59	25	13	21	8	2	14	1	12	1	96	35					524 525	387 390	26.0 27.2	0.739 0.743							KOR
18X7-1/2X50	12.00 M	E 244066	14	12,502	18	15	62	23	8	24	8	2	13	2	13	1	71	34					527 527	368 367	25.9 26.2	0.699 0.697							KOR
18X7-1/2X50	12.00 M	E 244067	1	893	18	16	65	21	10	26	10	2	12	3	13	1	121	34					524 515	374 365	25.9 26.7	0.714 0.709							KOR
TOTAL			**27**	**23,895**	====== 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. 2024.09.26.09:37:33 9201675 HMS I 102(A)-3a A4(210x297)

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