Contract No.	Z241000933
Customer	HYUNDAI CORPORATION
PO No.	F241000126
L/C No.	L0201412FS02600
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.	IH20241200341-1
Class certificate No.	
Issue date	2025-03-12

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		%	-	-	-					
10X5-3/4X22	12.00 M	D 184367	60	23,580	17	17	60	24	6	28	11	3	15	3	1	16	96	33				538 544	418 416	26.1 25.8	0.777 0.765							KOR
10X5-3/4X22	12.00 M	D 184369	15	5,895	15	17	60	31	3	26	8	2	28	4	2	15	105	33				546 544	428 428	25.5 25.3	0.784 0.787							KOR
10X5-3/4X26	12.00 M	D 183456	1	464	15	15	59	26	4	25	8	2	21	2	1	14	110	32				549 550	421 420	22.8 23.0	0.767 0.764							KOR
10X5-3/4X26	12.00 M	D 184364	76	35,264	13	17	77	20	5	31	10	2	10	3	1	16	96	31				530 547	405 414	25.1 25.6	0.765 0.757							KOR
10X5-3/4X30	12.00 M	D 184379	76	40,736	17	16	61	23	5	24	10	2	13	3	2	16	119	32				536 533	402 397	26.3 25.6	0.750 0.745							KOR
16X7X40	12.00 M	D 184441	21	14,994	10	16	80	23	4	27	10	2	14	3	2	16	120	29				510 514	384 375	25.6 26.1	0.753 0.730							KOR
TOTAL			**249**	**120,933**	====== 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. 2025.03.12.09:21:17 9201675 HMS I 102(A)-3a A4(210x297)