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.	IH20240600108-1
Class certificate No.	
Issue date	2024-07-01

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(1)				Tensile Test Tensile Strength	Yield Strength	Elongation (2)	Yield Ratio (3)	BEND TEST	Impact Test(L) V-Notch AVG	1	2	3 ℃	Remarks (Impact Specimen Size)	Country of Melt and Pour
					×100			×1000		×100				×1000			×10000	×100				N/mm2		%	-	-	-					
8X5-1/4X21	12.00 M	D 174624	1	375	16	16	62	21	10	24	11	3	8	2	1	15	95	31				522 531	414 421	25.1 24.4	0.794 0.793							KOR
10X5-3/4X22	12.00 M	D 182555	28	11,004	17	17	65	28	8	28	11	2	18	4	2	19	126	34				559 568	419 426	24.0 24.4	0.750 0.750							KOR
10X5-3/4X22	12.00 M	D 182556	42	16,506	16	13	61	26	10	24	9	2	19	3	1	15	122	33				568 570	440 437	24.4 24.8	0.775 0.767							KOR
10X5-3/4X26	12.00 M	D 182061	6	2,784	17	13	64	22	12	20	8	3	16	2	2	15	100	33				539 544	408 406	24.1 24.5	0.757 0.747							KOR
10X5-3/4X26	12.00 M	D 182442	21	9,744	17	14	62	23	5	25	11	3	21	3	2	15	128	35				557 558	433 423	24.0 23.9	0.778 0.759							KOR
10X5-3/4X30	12.00 M	D 182559	30	16,080	16	14	61	23	5	24	8	2	21	3	2	15	93	33				534 536	394 396	26.3 25.9	0.738 0.739							KOR
16X7X40	12.00 M	D 175368	3	2,142	16	17	60	16	12	24	8	2	9	2	1	14	87	30				536 534	399 383	28.1 28.0	0.745 0.718							KOR
TOTAL			**131**	**58,635**	====== 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.

지태훈

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. 2024.07.01.10:36:30 9201675 HMS I 102(A)-3a A4(210x297)

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