Contract No.	Z240304108
Customer	HYUNDAI CORPORATION
PO No.	F240300299
L/C No.	L0696240600491
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.	IH20240600097-1
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		%	-	-	-					
8X8X31	12.00 M	D 180518	1	553	12	15	81	26	4	28	10	2	15	4	2	16	122	31	516 522	373 377	25.6 25.0	0.723 0.723							KOR
8X8X31	12.00 M	D 181626	18	9,954	10	17	81	24	6	26	10	3	13	4	2	17	115	29	497 504	376 376	27.5 26.8	0.757 0.747							KOR
12X6-1/2X26	12.00 M	D 181715	11	5,104	17	17	61	28	5	23	12	2	22	4	3	18	113	34	540 534	386 376	24.9 24.6	0.715 0.705							KOR
12X6-1/2X26	12.00 M	D 182461	12	5,568	18	14	60	23	4	28	10	3	15	3	1	15	141	34	527 541	393 391	25.7 25.5	0.746 0.723							KOR
TOTAL			42	21,179																									

====== 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.

2024.07.01.10:22:43 9201675 HMS I 102(A)-3a A4(210x297)

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