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.	IH20240500327-1
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)				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)			V-Notch			℃		
																												AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
8X4X15	12.00 M	D 182134	31	8,308	10	16	80	19	9	26	11	2	16	3	2	18	121	29					526 524	420 418	25.1 24.8	0.799 0.798							KOR
10X10X49	12.00 M	E 243000	12	10,500	17	14	61	16	9	20	6	1	11	2	16	1	81	32					507 500	362 369	29.3 28.1	0.715 0.738							KOR
12X6-1/2X26	12.00 M	D 182101	10	4,640	16	16	60	27	4	27	10	2	16	3	1	15	88	32					539 539	393 387	25.8 26.1	0.730 0.718							KOR
12X6-1/2X26	12.00 M	D 182102	18	8,352	16	15	62	26	7	28	10	2	15	3	2	17	103	32					560 561	426 400	24.4 25.2	0.761 0.714							KOR
TOTAL			**71**	**31,800**	====== 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.

2024.07.01.10:35:41 9201675 HMS I 102(A)-3a A4(210x297)

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