ORIGINAL

Contract No.	Z240805352
Customer	HYUNDAI CORPORATION
PO No.	F240800407
L/C No.	L05D9241000079
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.	IH20241000059-1
Class certificate No.	
Issue date	2024-10-22

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		%	-	-	-					
8X5-1/4X18	12.00 M	D 183741	32	10,272	17	16	60	28	5	33	9	2	17	3	2	15	98	34					543 552	417 420	24.9 24.2	0.768 0.761								KOR
12X8X40	12.00 M	D 183701	17	12,138	16	18	59	30	4	26	12	2	13	3	1	14	99	31					528 533	371 378	23.6 24.0	0.703 0.710								KOR
TOTAL			**49**	**22,410**	====== 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. 2024.10.22.13:13:56 9201675 HMS I 102(A)-3a A4(210x297)

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