

Contract No.	Z241100639
Customer	HYUNDAI CORPORATION
PO No.	F241100029
L/C No.	L0201412FS02574
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 50WM(345WM)

## INSPECTION CERTIFICATE

### EN 10204(2004) TYPE 3.1



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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20241200349-1
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	
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(1)	Tensile Strength	Yield Strength	Elongation (2)			V-Notch		°C				
					x100		x1000		x100			x1000		x10000	x100	N/mm2		%	-	-	AVG			1	2	3				
14X5X22	12.00 M	D 184547	21	8,253	17	18	60	20	5	20	9	2	17	3	2	15	115	33	543	430	25.0	0.792								KOR
14X5X22	12.00 M	D 184548	165	64,845	17	16	60	21	6	17	7	2	15	2	1	15	131	32	537	423	25.1	0.788								KOR
<b>TOTAL</b>				<b>186</b>	<b>73,098</b>	===== 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.**

General Manager of Q.A Team