

Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 50WM(345WM)

4500 95 4454-2

**INSPECTION CERTIFICATE**  
EN 10204(2004) TYPE 3.1



WWW.HYUNDAI-STEEL.COM PAGE: [ 1 / 1 ]

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240700275-1
Class certificate No.	
Issue date	2024-09-25

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio (%)	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 <sub>T</sub>	Tensile Strength	Yield Strength	Elongation (%)			V-Notch			°C		
					x100		x1000		x100			x1000		x1000	x100	N/mm2	%		-	-	AVG			1	2	3			
8X5-1/4X18	12.00 M	D 182615	32	10,272	15	17	62	22	6	24	11	2	16	4	3	18	112	31	540	428	26.3	0.793							KOR
<b>TOTAL</b>				<b>32</b>	<b>10,272</b>															<b>===== END =====</b>									

(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.**

기혁윤

General Manager of Q.A Team

※ 현대제철은 검사증명서를 사본으로 제출하지 않습니다. 사본일 경우, 현대제철 각 영업소로 확인하시기 바랍니다. 문의)02-772-2125



Contract No.	Z240600847
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Specification	ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)

**INSPECTION CERTIFICATE**  
**EN 10204(2004) TYPE 3.1**



Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240700277-1
Class certificate No.	
Issue date	2024-09-25

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio (%)	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 (%)			V-Notch			°C			
					x100		x1000		x100			x1000		x1000	x100	N/mm2	%	-	-	AVG	1			2	3					
12X4X22	12.00 M	D 182660	30	11,790	16	17	61	28	10	24	11	2	19	3	2	15	106	33	547	426	25.4	0.779								KOR
<b>TOTAL</b>				<b>30</b>	<b>11,790</b>															<b>===== END =====</b>										

(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

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WWW.HYUNDAI-STEEL.COM PAGE: [ 1 / 1 ]	
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Certificate No.	IH20240700275-1
Class certificate No.	
Issue date	2024-09-25

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio (%)	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							
					×100		×1000		×100			×1000		×1000	×100	N/mm2	%	-	-	AVG	1			2	3									
8X5-1/4X18	12.00 M	D 182615	32	10,272	15	17	62	22	6	24	11	2	16	4	3	18	112	31	540	428	26.3	0.793												KOR
<b>TOTAL</b>			<b>32</b>	<b>10,272</b>																														

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