4500954454

ORIGINAL

Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600111-1
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) V-Notch ℃				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)			AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
10X5-3/4X22	12.00 M	D 182555	10	3,930	17	17	65	28	8	28	11	2	18	4	2	19	126	34					559 568	419 426	24.0 24.4	0.750 0.750							KOR
10X5-3/4X22	12.00 M	D 182556	20	7,860	16	13	61	26	10	24	9	2	19	3	1	15	122	33					568 570	440 437	24.4 24.8	0.775 0.767							KOR
10X5-3/4X26	12.00 M	D 182442	15	6,960	17	14	62	23	5	25	11	3	21	3	2	15	128	35					557 558	433 423	24.0 23.9	0.778 0.759							KOR
10X5-3/4X30	6.00 M	D 182559	42	11,256	16	14	61	23	5	24	8	2	21	3	2	15	93	33					534 536	394 396	26.3 25.9	0.738 0.739							KOR
10X5-3/4X30	12.00 M	D 182559	30	16,080	16	14	61	23	5	24	8	2	21	3	2	15	93	33					534 536	394 396	26.3 25.9	0.738 0.739							KOR
TOTAL			**117**	**46,086**	====== 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.

지태운

General Manager of Q.A Team

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ORIGINAL

Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600112-1
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		%	-	-	-					
8X6-1/2X24	12.00 M	D 182474	8	3,432	16	16	60	24	4	26	9	2	21	3	2	14	122	33	549 542	391 382	24.0 25.0	0.713 0.705							KOR
8X6-1/2X24	12.00 M	D 182475	16	6,864	17	14	61	25	5	27	10	2	17	2	2	15	129	33	545 545	402 391	24.0 24.5	0.738 0.718							KOR
12X6-1/2X26	12.00 M	D 182461	24	11,136	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			**48**	**21,432**	====== 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

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지태훈

General Manager of Q.A Team

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Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600112-1
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) V-Notch ℃				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)			AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
8X6-1/2X24	12.00 M	D 182474	8	3,432	16	16	60	24	4	26	9	2	21	3	2	14	122	33					549 542	391 382	24.0 25.0	0.713 0.705							KOR
8X6-1/2X24	12.00 M	D 182475	16	6,864	17	14	61	25	5	27	10	2	17	2	2	15	129	33					545 545	402 391	24.0 24.5	0.738 0.718							KOR
12X6-1/2X26	12.00 M	D 182461	24	11,136	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			**48**	**21,432**	====== 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

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General Manager of Q.A Team

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Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600111-1
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) V-Notch ℃				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)			AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100					N/mm2		%	-	-	-					
10X5-3/4X22	12.00 M	D 182555	10	3,930	17	17	65	28	8	28	11	2	18	4	2	19	126	34					559 568	419 426	24.0 24.4	0.750 0.750							KOR
10X5-3/4X22	12.00 M	D 182556	20	7,860	16	13	61	26	10	24	9	2	19	3	1	15	122	33					568 570	440 437	24.4 24.8	0.775 0.767							KOR
10X5-3/4X26	12.00 M	D 182442	15	6,960	17	14	62	23	5	25	11	3	21	3	2	15	128	35					557 558	433 423	24.0 23.9	0.778 0.759							KOR
10X5-3/4X30	6.00 M	D 182559	42	11,256	16	14	61	23	5	24	8	2	21	3	2	15	93	33					534 536	394 396	26.3 25.9	0.738 0.739							KOR
10X5-3/4X30	12.00 M	D 182559	30	16,080	16	14	61	23	5	24	8	2	21	3	2	15	93	33					534 536	394 396	26.3 25.9	0.738 0.739							KOR
TOTAL			**117**	**46,086**	====== E N D ======																												

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지태윤

General Manager of Q.A Team

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Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600112-1
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		%	-	-	-					
8X6-1/2X24	12.00 M	D 182474	8	3,432	16	16	60	24	4	26	9	2	21	3	2	14	122	33					549 542	391 382	24.0 25.0	0.713 0.705								KOR
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12X6-1/2X26	12.00 M	D 182461	24	11,136	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			**48**	**21,432**	====== E N D ======																												

(1) Ceq: (CE=C+(Cr+V+Mo)/5+(Cu+Ni)/15+Mn/6)
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Note
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Country of Produce and Process - Republic of Korea
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지태훈

General Manager of Q.A Team

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Contract No.	Z240600847
Customer	HYUNDAI CORPORATION
PO No.	F240600079
L/C No.	L0696240600510
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600111-1
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		%	-	-	-					
10X5-3/4X22	12.00 M	D 182555	10	3,930	17	17	65	28	8	28	11	2	18	4	2	19	126	34	559 568	419 426	24.0 24.4	0.750 0.750							KOR
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TOTAL			**117**	**46,086**	====== E N D ======																								

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지태원

General Manager of Q.A Team

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