

Contract No.	Z240204399
Customer	HYUNDAI CORPORATION
PO No.	F240300001
L/C No.	L0696240600491
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(345MM)

INSPECTION CERTIFICATE
EN 10204(2004) TYPE 3.1

 	
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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240600094-1
Class certificate No.	
Issue date	2024-07-01

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									
10X5-3/4X22	6.00 M	D 181824	150	29,400	16	14	61	18	8	25	10	2	14	3	2	17	107	32	565 560	448 447	25.8 24.0	0.793 0.799												KOR
10X5-3/4X22	12.00 M	D 181999	24	9,432	11	17	86	23	7	22	9	2	13	3	2	19	106	30	522 529	418 425	23.9 23.2	0.801 0.804												KOR
10X5-3/4X22	12.00 M	D 182556	5	1,965	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	6.00 M	D 181120	3	696	10	15	80	18	8	24	10	3	12	2	1	15	101	29	515 522	402 410	23.2 23.5	0.781 0.786												KOR
10X5-3/4X26	6.00 M	D 181808	42	9,744	10	16	81	26	9	32	13	3	14	2	3	17	117	30	537 537	408 401	26.3 26.5	0.760 0.747												KOR
10X5-3/4X26	12.00 M	D 181808	24	11,136	10	16	81	26	9	32	13	3	14	2	3	17	117	30	537 537	408 401	26.3 26.5	0.760 0.747												KOR
10X5-3/4X30	6.00 M	D 181826	42	11,256	17	18	62	22	14	29	10	3	19	3	4	18	111	34	554 545	416 411	23.7 24.0	0.751 0.755												KOR
TOTAL			290	73,629															===== 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.

기혁준

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.

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HMS I 102(A)-3a A4(210x297)

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