

Contract No.	Z240204399
Customer	HYUNDAI CORPORATION
PO No.	F240300001
L/C No.	L0696240600491
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.	IH20240600094-1
Class certificate No.	
Issue date	2024-07-01

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Yield Ratio (B)	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			x1000	x100	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	448	25.8	0.793												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	418	23.9	0.801												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	440	24.4	0.775												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	402	23.2	0.781												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	408	26.3	0.760												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	408	26.3	0.760												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	416	23.7	0.751												KOR
<b>TOTAL</b>			<b>290</b>	<b>73,629</b>																														

===== END =====

(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	<b>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.</b>		 General Manager of Q.A Team

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