

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 50WM(345WM)

 	
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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

## INSPECTION CERTIFICATE

### EN 10204(2004) TYPE 3.1

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(m)	Tensile Strength	Yield Strength			Elongation (%)	V-Notch	°C						
					x100			x1000			x100			x1000			x1000	x100	N/mm2	%			-	-	-	-					
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
<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
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<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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