Contract No.	Z240104238
Customer	HYUNDAI CORPORATION
PO No.	F240100297
L/C No.	L030131202026
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20240300040-1
Class certificate No.	
Issue date	2024-03-15

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
																											V-Notch			℃		
					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	6.00 M	D 181118	53	10,388	18	13	60	28	8	21	8	2	29	3	2	15	86	36				565 562	440 437	23.3 23.6	0.779 0.778							KOR
10X5-3/4X26	6.00 M	D 181120	45	10,440	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	12.00 M	D 180889	19	8,816	17	15	59	21	6	19	8	2	19	4	2	20	108	33				546 546	410 412	23.0 24.0	0.751 0.755							KOR
10X5-3/4X26	12.00 M	D 181120	16	7,424	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
10X5-3/4X30	6.00 M	D 181115	42	11,256	16	14	62	22	5	19	9	2	16	4	3	17	100	32				528 534	395 393	25.3 26.4	0.749 0.736							KOR
10X5-3/4X30	12.00 M	D 180421	5	2,680	18	15	61	25	4	22	8	2	16	3	2	18	152	34				549 539	434 422	24.3 23.9	0.791 0.783							KOR
10X5-3/4X30	12.00 M	D 181115	24	12,864	16	14	62	22	5	19	9	2	16	4	3	17	100	32				528 534	395 393	25.3 26.4	0.749 0.736							KOR
12X8X40	12.00 M	D 180459	4	2,856	16	14	62	26	3	25	10	1	24	4	2	17	139	34				540 532	380 391	24.4 23.9	0.704 0.735							KOR
12X8X40	12.00 M	D 181156	20	14,280	17	16	61	27	5	34	12	2	21	4	2	16	109	35				545 549	386 387	26.4 24.6	0.709 0.705							KOR
TOTAL			**228**	**81,004**	====== 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.

지태윤

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. 2024.03.15.14:18:39 9201675 HMS I 102(A)-3a A4(210x297)