Contract No.	Z230700955
Customer	
PO No.	F230700110
L/C No.	SSW136781
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G4021-13 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.	IH20230800177-3
Class certificate No.	
Issue date	2023-09-05

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition															Tensile Test			Yield Ratio(n)	BEND TEST	Impact Test(L) V-Notch °C				Remarks (Impact Specimen Size)
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CEq(1)		Tensile Strength	Yield Strength	Elongation in			AVG	1	2	3	
					×100			×1000		×100				×1000			×1000	×100		N/mm2		%	-	-	-				
16X7X57	40.00 FT	D 178597	12	12,408	17	15	72	27	10	26	9	2	18	2	2	16	107	35		563 566	375 375	24.4 24.7	0.667 0.663						
16X7X57	50.00 FT	D 178597	9	11,637	17	15	72	27	10	26	9	2	18	2	2	16	107	35		563 566	375 375	24.4 24.7	0.667 0.663						
21X8-1/4X62	50.00 FT	E 238658	8	11,248	18	15	94	25	7	19	9	2	10	2	14	1	124	38		544 550	396 403	27.8 28.0	0.728 0.733						
21X8-1/4X55	35.00 FT	E 238666	2	1,746	19	13	62	22	8	24	9	2	12	2	13	1	106	35		523 525	384 382	27.6 28.1	0.735 0.728						
21X8-1/4X55	35.00 FT	E 238667	10	8,730	17	14	63	18	6	18	8	2	10	3	13	1	96	32		517 513	393 388	25.9 27.0	0.761 0.757						
24X9X68	50.00 FT	E 238659	7	10,794	18	16	98	27	7	22	9	2	11	3	14	2	102	39		550 553	395 401	28.2 27.7	0.719 0.726						
24X9X68	50.00 FT	N 068564	1	1,542	18	17	64	22	7	15	11	2	11	3	15	1	111	33		524 530	371 361	26.4 27.0	0.709 0.682						
24X9X76	50.00 FT	N 069030	4	6,896	18	14	90	19	7	22	9	2	11	3	12	1	106	38		548 546	411 394	28.5 27.5	0.750 0.722						
24X9X76	50.00 FT	N 069031	2	3,448	19	16	94	25	5	23	9	2	9	4	13	1	128	39		554 551	407 400	29.0 25.5	0.735 0.726						
24X9X84	40.00 FT	N 069027	7	10,668	18	14	98	29	9	21	10	2	14	5	15	3	118	40		574 566	425 404	23.0 27.0	0.741 0.714						
SUB TOTAL			**62**	**79,117**	====== N E X T ======																								

(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

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.

지태원

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. 2023.09.05.09:30:25 9201675 HMS 1102(A)-3a A4(210x297)

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Date: 1/5/2024 To: SENTRY SUPPLY dba SO#: A799712 Ln#: 1
Heat#: d178597* Tag: B07010524 PO#: PO246333-01 Part: W1605740* Qty: 1