Contract No.	Z250404858
Customer	HYUNDAI CORPORATION
PO No.	F250400295
L/C No.	
Commodity	**hot rolled H-Beam for building constructions or civil engineering**
Specification	**EN10025-1, 2 S275JR + AR**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20250500474-1
Class certificate No.	
Issue date	2025-07-16

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition															Tensile Test			Yield Ratio	BEND TEST	Impact Test(L) V-Notch 20 ℃				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)			AVG	1	2	3		
					×100			×1000		×100				×1000			×10000	×100				MPa		%	-	-	Joule					
HE 300 A	12.00 M	E 248471	3	3,180	16	15	33	15	10	20	9	2	8	2	1	1	94	25				471	332	33.9			103	101	101	109	10×10mm	KOR
HE 300 A	12.00 M	E 248472	3	3,180	17	16	34	15	7	19	9	2	8	4	1	1	108	27				478	339	36.0			103	101	122	86	10×10mm	KOR
HE 300 B	12.00 M	E 248469	2	2,808	17	14	61	18	11	21	10	3	12	3	16	1	112	33				510	374	30.4			109	113	100	114	10×10mm	KOR
HE 300 B	12.00 M	E 248470	2	2,808	17	14	64	15	10	23	10	2	7	3	16	3	123	32				493	366	32.0			119	124	129	105	10×10mm	KOR
HE 300 B	12.00 M	E 248484	2	2,808	17	16	31	27	6	20	9	2	23	3	13	1	128	29				493	370	29.3			78	80	76	77	10×10mm	KOR
TOTAL			**12**	**14,784**	====== E N D ======																											

(1) Ceq: (CE=C+(Cr+V+Mo)/5+(Cu+Ni)/15+Mn/6)
(2) Gauge length : L = 5.65 $\sqrt{A}$

Note
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.

지태원

General Manager of Q.A Team

CE UKCA
0035 0038
0035-CPR-060001 /CPR/SEO2214200
BC1-TRSG-210006

APPENDIX: SPECIFICATION

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20250500474-2
Specification	**EN10025-1, 2 S275JR + AR**

THICKNESS (FLANGE)		Chemical Composition														Tensile Test			Impact Test(L) (2)(3) V-Notch 20 ℃
		C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	$N_{(1)}$	CEQ	Tensile Strength	Yield Strength	Elongation	AVG
(mm)		x100			x1000		x100				x1000			x10000	x100	MPa		%	Joule
0 ≤ t ≤ 16	MIN	0	-	0	0	0	0	-	-	-	-	-	-	0	0	410	275	23	27
	MAX	21	-	150	35	35	55	-	-	-	-	-	-	120	40	560	-	-	-
16 < t ≤ 40	MIN	0	-	0	0	0	0	-	-	-	-	-	-	0	0	410	265	23	27
	MAX	21	-	150	35	35	55	-	-	-	-	-	-	120	40	560	-	-	-
40 < t ≤ 63	MIN	0	-	0	0	0	0	-	-	-	-	-	-	0	0	410	255	22	27
	MAX	21	-	150	35	35	55	-	-	-	-	-	-	120	42	560	-	-	-
63 < t ≤ 80	MIN	0	-	0	0	0	0	-	-	-	-	-	-	0	0	410	245	21	27
	MAX	21	-	150	35	35	55	-	-	-	-	-	-	120	42	560	-	-	-

(1) The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or alternatively min. 0.015% acid soluble Al or if sufficient other N binding elements (V, Nb, Ti) are present.
(2) Impact tests shall not be required for nominal thickness < 6mm.
(3) Impact properties of quality JR products are verified only when specified at the time of the order.