

36397

ORIGINAL

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

**HYUNDAI
STEEL HCCORE**



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Contract No.	
Customer	DUFERCO
PO No.	32201812CF22
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50MM(345MM)

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea	
Certificate No.	IH20190302652-5	
Class certificate No.		
Issue date	2019-03-14	

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition											Tensile Test			Yield Ratio	BEND TEST	Impact Test(I)			Remarks (Impact Specimen Size)							
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	Ce _{0.005}			Tensile Strength	Yield Strength	Elongation		AVG	1	2	3			
24X12-3/4X104	40.00 FT	N 046399	15	28,305	19	16	98	24	8	21	9	2	13	3	16	4	4	8	41	552	420	24.0	0.761								
24X12-3/4X104	40.00 FT	N 046400	24	45,288	19	15	96	27	11	20	8	2	16	2	14	1	12	41	557	405	27.0	0.728									
24X12-3/4X104	40.00 FT	N 046401	20	37,740	18	15	96	24	10	23	8	2	13	2	14	2	8	39	550	409	24.0	0.744									
24X12-3/4X104	40.00 FT	N 046402	8	15,096	18	14	96	22	12	28	8	2	11	2	13	2	11	39	550	387	24.5	0.704									
24X12-3/4X131	40.00 FT	N 046367	3	7,128	20	14	97	21	10	28	7	1	13	5	14	3	14	42	549	414	24.5	0.755									
24X12-3/4X131	40.00 FT	N 046368	24	57,024	18	15	95	19	4	26	7	1	13	3	13	1	11	39	560	392	26.0	0.703									
24X12-3/4X131	40.00 FT	N 047097	2	4,752	19	17	95	20	8	21	7	2	11	4	13	1	10	40	555	395	26.0	0.712									
24X12-3/4X131	40.00 FT	N 047100	6	14,256	19	17	92	22	6	25	8	2	9	3	13	1	11	39	556	401	27.0	0.740									
24X12-3/4X207	40.00 FT	N 04638	2	7,512	18	17	111	24	12	26	12	2	15	3	14	3	11	43	556	385	24.5	0.693									
24X12-3/4X207	40.00 FT	N 045919	2	7,512	14	14	143	13	6	17	7	1	10	2	41	3	8	42	554	413	28.5	0.746									
SUB TOTAL			106	224,613																											

- (1) Ceq: (CE=C+Mn/6+C/S+V/5+Mo/5+Ni/15+Cu/15)
- (2) Gauge Length : 200 mm
- (3) Y.R = Y.S/T.S

Note

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.

[Signature]

General Manager of QA Team

This test report can be verified the authenticity to scan the top-right QR code via "Qreal" mobile app.

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