

36300

ORIGINAL

HYUNDAI
STEEL
HCCORE



INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20190302652-4
Class certificate No.	
Issue date	2019-03-14

Contract No.	
Customer	DUFERCO
PO No.	32201812CF22
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 50MM(345MM)

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition												Tensile Test			Impact Test(I)			Remarks (Impact Specimen Size)				
					×100						×1000						Tensile Strength N/mm ²	Yield Strength N/mm ²	Elongation (%)	V-Notch							
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb				Sn	CE _{TOT}	AVG		1	2	3	
24X12-3/4X104	40.00 FT	N 046371	18	33,966	18	14	94	27	7	27	8	1	14	2	15	1	10	39	586	435	24.0	0.743					
24X12-3/4X104	40.00 FT	N 046372	40	75,480	19	14	95	29	14	28	7	1	16	1	14	1	9	41	580	411	24.5	0.709					
24X12-3/4X104	40.00 FT	N 046373	28	52,836	18	14	95	23	11	27	8	2	12	2	14	3	9	39	561	414	26.0	0.738					
24X12-3/4X104	40.00 FT	N 046374	30	56,610	18	15	93	27	11	25	9	2	12	2	13	2	13	39	563	406	25.0	0.722					
24X12-3/4X104	40.00 FT	N 046375	29	54,723	18	15	92	23	9	26	8	2	10	2	13	1	10	38	566	406	26.5	0.718					
24X12-3/4X104	40.00 FT	N 046376	18	33,966	18	17	98	26	5	27	8	2	14	3	14	3	10	40	558	392	25.0	0.703					
24X12-3/4X104	40.00 FT	N 046377	4	7,548	18	15	100	24	13	26	8	2	18	2	15	5	10	41	564	413	25.0	0.733					
24X12-3/4X104	40.00 FT	N 046396	30	56,610	19	14	94	16	4	20	9	2	14	2	13	1	7	40	564	395	24.0	0.706					
24X12-3/4X104	40.00 FT	N 046397	42	79,254	19	13	94	20	9	18	8	2	12	2	14	3	9	39	552	392	26.0	0.708					
24X12-3/4X104	40.00 FT	N 046398	39	73,593	19	15	93	24	10	19	7	2	14	3	15	2	9	40	554	392	26.0	0.716					
SUB TOTAL			278	524,586															557	418	24.5	0.736					
																			555	393	25.0	0.699					
																			557	421	24.0	0.756					
																			555	408	24.5	0.736					
																			555	415	25.5	0.748					
																			553	405	25.0	0.733					
																			552	430	24.5	0.766					
																			559	404	25.0	0.723					

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

Note

===== NEXT =====

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

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

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General Manager of QA Team
HMS I 102(A)-3a A4(210x297)