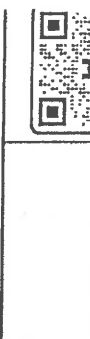


INSPECTION CERTIFICATE



**HYUNDAI
STEEL**

63, Jungbong-daero, Dong-gu,
Incheon, 22525, S. Korea

Certificate No. IH20160806978 - 1

Class Cert. No.

Date of Issue 2016-09-02

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201606C811
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50MM(345MM)

EN 10204(2004) TYPE 3.1

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Impact Test (V-notch)			Remarks (Impact Specimen Size)															
			C		Mn		P		S		Cu		Mo		Ni		Cr		V		Al		Nb		Sn		Yield Ratio	Elongation(2) %	AVG	1	2	3			
			x100	x1000	x1000	x1000	x1000	x100	x100	x100	x100	x100	x100	x100	x100	x100	x100	x100	x100		x100	x100	x100	x100	()	()							()		
8X5-1/4X21 40.00 FT	D 135822	64 24,384	16	18	60	19	6	26	8	13	3	4	18	10	31	518	398	23.0	0.01																
8X5-1/4X21 40.00 FT	D 135839	16 6,096	16	14	65	27	12	30	1	3	21	4	19	15	34	518	401	25.0	0.01																
21X6-1/2X44 40.00 FT	E 192186	5 3,990	14	15	52	20	8	25	2	3	13	12	1	12	28	495	401	25.0	0.01																
21X6-1/2X44 40.00 FT	E 192187	17 13,566	14	15	53	21	9	28	2	3	12	13	2	15	28	483	385	29.0	0.01																
21X6-1/2X44 40.00 FT	E 192188	76 60,648	15	15	51	22	10	27	2	4	13	4	2	14	30	486	400	29.0	0.01																
21X6-1/2X44 40.00 FT	E 192189	7 5,586	13	17	55	24	9	28	2	3	14	12	2	11	28	487	379	27.0	0.01																
21X6-1/2X44 40.00 FT	E 192191	1 798	14	13	51	22	11	30	2	3	12	13	3	14	28	485	395	30.0	0.01																
21X6-1/2X44 40.00 FT	E 192194	2 1,596	13	15	54	24	12	29	2	3	12	13	3	12	28	490	391	28.5	0.01																
21X6-1/2X50 40.00 FT	E 192140	10 9,070	18	17	64	24	9	26	2	4	16	13	1	15	35	484	390	27.0	0.01																
SUB TOTAL		198 125,734																																	

(Note) (1) Req: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15) (2) Gauge length : 200 mm (3) Yield Ratio = YP/TS

J. C. Ahn

General Manager of Q.A Team

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

HMS I 102(A)-3a * QR마킹은 'QReal' App를 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal') 9300370 A4(210x297)



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