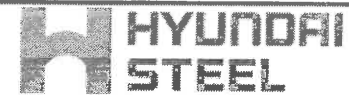


Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201606C821
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20160800511 - 2
Class Cert. No.	
Date of Issue	2016-08-03

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Impact Test (V-notch)				Remarks (Impact Specimen)	
			C	Si	Mn	P	S	Cu	Mo	Al	Nb	Sn	CE(1)	Tensile Strength	Yield point	Elongation(2)	Yield Ratio	AVG	1	2		3
			×100			×1000		×100		×1000				×100	N/mm ²		%		()	c		
10X5-3/4X30 40.00 FT	D 135110	24 13,056	17	15	59	26	4	27	2	4	14	19	32	520	382	26.0	0.74					
10X10X54 40.00 FT	E 190792	12 11,760	18	18	97	31	9	21	2	5	4	13	39	560	401	27.5	0.72					
12X4X16 40.00 FT	D 135527	36 10,440	18	17	62	22	7	27	2	5	15	12	35	542	427	24.0	0.79					
12X6-1/2X26 40.00 FT	D 135499	12 5,664	17	17	58	18	2	21	2	4	15	11	31	517	400	25.0	0.77					
12X6-1/2X26 40.00 FT	D 135500	48 22,656	19	16	60	25	6	31	2	3	17	13	35	523	382	24.5	0.73					
12X6-1/2X26 40.00 FT	D 135501	6 2,832	17	14	58	31	4	33	2	3	17	16	34	540	401	23.5	0.74					
18X7-1/2X71 40.00 FT	E 191008	8 10,312	18	17	96	29	8	24	2	4	5	10	40	562	400	27.0	0.71					
12X8X40 40.00 FT	D 135041	8 5,808	18	14	59	23	5	23	2	4	16	9	33	522	386	26.0	0.74					
12X8X40 40.00 FT	D 135641	10 7,260	19	17	60	22	7	35	2	3	17	15	35	544	399	26.0	0.73					
SUB TOTAL		164 89,788																				

(Note) (1) Ceq: (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 ※ QR마크는 "QReal" App을 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal')

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