

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201610C321
Commodity	H-BEAM
Specification	HOT ROLLED WIDE FLANGE BEAM ASTM A572 G50/A992/CSA G 40.21-13 50WM (345WM) PARA MATERIAL DE VIGA

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20161203228 - 1
Class Cert. No.	
Date of Issue	2016-12-19

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Impact Test (V-notch)				Remarks (Impact Specimen Size)		
			C	Si	Mn	P	S	Cu Ni	Mo Cr	Al V	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				
21X6-1/2X44 40.00 FT	E 194266	10 7,980	14	16	53	9	8	27 9	2 8	8 12		1	11	27	472 468	372 370	26.0 26.5	0.79 0.79					
21X6-1/2X44 40.00 FT	E 194267	5 3,990	13	16	52	12	9	30 10	2 10	4 13		1	10	27	479 472	366 364	26.0 26.5	0.76 0.77					
21X6-1/2X44 40.00 FT	E 194295	3 2,394	14	17	54	18	7	24 7	2 11	4 14		1	8	28	523 527	384 388	25.5 25.0	0.74 0.74					
21X6-1/2X44 40.00 FT	E 194299	15 11,970	13	16	54	19	7	29 8	2 18	4 11		1	10	29	525 522	398 392	26.0 26.5	0.76 0.75					
21X6-1/2X50 40.00 FT	E 194280	10 9,070	18	16	62	19	8	32 11	2 13	3 13		1	11	34	511 512	364 366	26.0 26.5	0.71 0.72					
21X6-1/2X50 40.00 FT	E 194282	10 9,070	19	17	66	21	13	29 10	2 12	3 14		1	22	36	523 519	385 385	24.0 24.0	0.74 0.74					
21X6-1/2X50 40.00 FT	E 194285	2 1,814	19	14	66	28	9	28 9	2 19	3 13		1	11	37	515 512	376 370	25.5 26.5	0.73 0.72					
24X9X76 40.00 FT	N 035479	6 8,274	18	14	93	26	6	28 7	2 14	4 13		1	12	39	542 548	381 383	26.5 26.0	0.70 0.70					
24X9X76 40.00 FT	N 035480	6 8,274	18	14	96	27	11	26 7	2 16	2 13		1	11	40	536 534	382 380	26.0 26.5	0.71 0.71					
SUB TOTAL		67 62,836																					

(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

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

General Manager of Q.A Team

HMS 102(A)-3a

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