


Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201610C341
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.	IH20161203230 - 2
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	Mo	Al	Nb	Sn	CE ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾	Yield Ratio	AVG	1	2		3		
			×100		×1000		×100		×1000		×100		×100		N/mm ²		%		(') °c					
21X6-1/2X44 40.00 FT	E 194290	9 7,182	14	16	51	22	7	25	2	3						495	379	26.0	0.77					
21X6-1/2X44 40.00 FT	E 194295	2 1,596	14	17	54	18	7	24	2	4						523	384	25.5	0.74					
21X6-1/2X50 40.00 FT	E 194280	5 4,535	18	16	62	19	8	32	2	3						511	364	26.0	0.71					
21X6-1/2X50 40.00 FT	E 194281	1 907	19	14	66	18	15	27	2	2						513	380	25.0	0.74					
21X6-1/2X50 40.00 FT	E 194282	4 3,628	19	17	66	21	13	29	2	3						523	385	24.0	0.74					
21X6-1/2X50 40.00 FT	E 194285	12 10,884	19	14	66	28	9	28	2	3						515	376	25.5	0.73					
21X6-1/2X50 40.00 FT	E 194286	1 907	18	14	67	27	9	31	2	3						520	387	26.0	0.74					
TOTAL		74 64,175	***** E N D *****																					

(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