


Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201609C312
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.	IH20161104372 - 1
Class Cert. No.	
Date of Issue	2016-11-22

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 <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>	Yield Ratio	AVG	1	2		3
			x100		x1000		x100		x1000			x100	N/mm <sup>2</sup>	%		(')	°c					
6X4X8.5 40.00 FT	D 137506	84 12,936	17	15	59	28	4	27 9	2 17	4 2	17	14	33	563 560	441 439	23.0 23.5	0.78 0.78					
6X4X8.5 40.00 FT	D 137507	379 58,366	17	16	60	29	4	27 9	2 23	3 3	15	13	34	544 540	419 417	24.0 24.5	0.77 0.77					
6X4X8.5 40.00 FT	D 137508	72 11,088	17	17	60	27	3	28 9	2 21	4 2	16	12	34	548 544	437 432	25.5 25.5	0.80 0.80					
TOTAL		535 82,390	===== 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

<b>J. C. Ahn</b>	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	