

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201609C311
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.	IH20161104371 - 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 ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾	Yield Ratio	AVG	1	2		3
			x100			x1000			x100		x1000			x100	N/mm ²		%		c			
6X4X8.5 40.00 FT	D 137505	239 36,806	16	17	59	24	4	28 9	2 13	4 2	15	14	31	542 540	427 426	24.0 24.5	0.79 0.79					
6X4X8.5 40.00 FT	D 137506	396 60,984	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	7 1,078	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		714 109,956	===== 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

<p style="font-size: 24px; font-weight: bold;">J. C. Ahn</p> <p>General Manager of Q.A Team</p>	<p>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</p>
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