


Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201601C141
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

INSPECTION CERTIFICATE

		63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Head Office		
Certificate No.	IH20160305388 - 2	
Class Cert. No.		
Date of Issue	2016-03-24	

EN 10204(2004) TYPE 3.1

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					
24X12-3/4X131 40.00 FT	N 031690	3 7,128	18	15	99	22	11	27 9	2 15	4 16	5	15	41	560 563	395 397	25.5 25.5	0.70 0.70						
TOTAL		102 52,788	===== 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	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	