INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201601C121
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

HYUNDAI STEEL

Head Office	63, Jungbong-daero, Dong-gu, Incheon,401-712, S. Korea
Certificate No.	IH20160201769 - 7
Class Cert. No.	
Date of Issue	2016-02-16

Dimensions & Length	Heat No.	Pieces / Weights (kg)	Chemical Composition (%)											Tensile Test			Yield Ratio	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)		AVG	1	2	3	
			×100			×1000		×100		×1000			×100	N/mm²		%		(°)	°C			
24X7X55 40.00 FT	E 187647	2 1,996	14	15	56	29	10	25 9	2 19	3 12	3	11	30	550 560	428 440	26.0 26.0	0.78 0.79					
TOTAL		771 435,410	====== 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