



Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201606C811
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.	IH20160800510 - 12	
Class Cert. No.		
Date of Issue	2016-08-03	

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	
			×100			×1000		×100		×1000			×100	N/mm ²		%	Ratio	()	c			
27X10X84 40.00 FT	N 033219	10,668 ⁷	19	14	95	24	9	24	2	5	4	12	40	545	401	24.5	0.74					
27X10X114 40.00 FT	N 033189	24,816 ¹²	18	15	95	28	5	22	2	5	7	11	41	559	398	25.0	0.71					
TOTAL		2,194 ⁷ 1,481,073	===== E N D =====																			

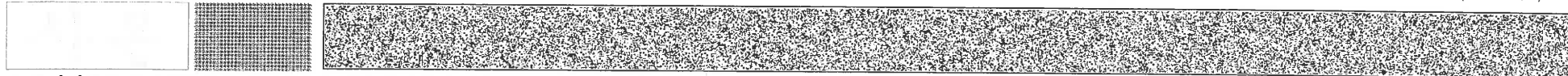
(Note) (1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15) (2) Gauge length : 200 mm (3) Yield Ratio = YP/TS

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



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