

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201610C311
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL	
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20161104366 - 7
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	Al	V	Nb	Sh	CE(1)	Tensile Strength	Yield point	Elongation(2)	Yield Ratio		AVG	1	2
24X12-3/4X104 40.00 FT	N 034482	8 15,096	18	14	94	31	10	29	2	18	13	3	14	41	551	405	26.0	0.74					
27X10X114 40.00 FT	N 034322	15 31,020	18	15	93	32	9	27	2	3	14	41	561	399	26.5	0.71							
TOTAL		1,990 1,545,333																					

(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

HMS.1.102(A)-3a

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