

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201610C321
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.	IH20161104367 - 8
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	Mo	Cr	Al	Nb	Sn	CE(1)	Tensile Strength	Yield point	Elongation(2)	Yield Ratio	AVG		1	2	3	
			x100	x100	x1000	x1000	x1000	x100	x100	x1000	x1000	x1000	x1000	x100	N/mm ²	%	%	%	(%)		()	()	()	()
27X10X94 40.00 FT	N 034329	10 17,060	19	17	96	30	7	30	2	2	13	3	17	42	551	388	27.5	0.70						
27X10X94 40.00 FT	N 034330	8 13,648	18	18	97	25	7	23	2	2	14	4	14	40	547	387	28.5	0.71						
27X10X94 40.00 FT	N 034331	1 1,706	18	18	95	27	7	25	2	3	14	4	19	40	535	390	26.5	0.73						
27X10X102 40.00 FT	N 034875	14 25,914	18	16	98	25	6	24	1	3	11	14	3	39	531	373	28.0	0.70						
27X10X102 40.00 FT	N 034876	2 3,702	18	15	93	26	6	23	1	6	12	13	2	38	530	373	28.0	0.70						
27X10X114 40.00 FT	N 032751	1 2,068	18	15	96	18	9	20	2	3	16	4	12	40	552	390	25.0	0.71						
27X10X114 40.00 FT	N 034322	6 12,408	18	15	93	32	9	27	2	3	12	3	14	41	561	399	26.5	0.71						
27X10X114 40.00 FT	N 034873	1 2,068	18	15	97	28	11	23	2	3	11	14	4	39	537	381	26.0	0.71						
27X10X114 40.00 FT	N 034875	3 6,204	18	16	98	25	6	24	1	3	11	14	3	39	536	376	26.5	0.71						
SUB TOTAL		46 84,778																						
TOTAL		946 945,868																						

(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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