


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)

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

		63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Head Office		
Certificate No.	IH20160305487 - 3	
Class Cert. No.		
Date of Issue	2016-03-24	

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		%		°C					
14X5X26 40.00 FT	D 132764	15 7,080	17	14	58	24	7	26 9	2 18	3 2	17	12	33	553 560	423 425	24.0 24.5	0.76 0.76						
14X5X26 40.00 FT	D 132765	3 1,416	17	14	57	27	5	28 9	2 17	3 1	16	13	33	536 532	393 390	25.5 25.0	0.73 0.73						
14X5X26 40.00 FT	D 132766	5 2,360	18	15	57	18	5	20 8	2 11	4 1	16	9	32	544 541	408 405	24.0 24.5	0.75 0.75						
21X12-1/4X122 40.00 FT	N 031820	3 6,639	18	16	98	25	6	21 9	3 20	3 15	2	9	41	566 546	404 401	25.0 25.5	0.71 0.73						
21X12-1/4X122 40.00 FT	N 031821	3 6,639	18	14	96	26	8	25 9	3 20	3 15	2	15	41	562 559	385 383	25.0 25.5	0.68 0.68						
24X7X55 40.00 FT	E 188628	2 1,996	13	19	51	19	8	25 8	1 13	4 11	3	14	27	487 483	401 396	27.0 27.5	0.82 0.82						
24X7X55 40.00 FT	E 188633	1 998	14	16	51	25	9	23 9	2 14	3 12	1	13	28	511 506	420 418	25.0 25.5	0.82 0.83						
24X7X55 40.00 FT	E 188634	2 1,996	14	16	52	19	9	21 8	3 13	3 13	1	11	28	502 498	408 403	25.0 25.5	0.81 0.81						
TOTAL		626 207,132	===== 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