INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201601C12P
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

HYUNDAI STEEL

Head Office	6363, Donghaean-ro, Nam-gu, Pohang,790-707, S. Korea
Certificate No.	IH20160307616 - 1
Class Cert. No.	
Date of Issue	2016-03-29

Dimensions & Length	Heat No.	Pieces / Weights (kg)	Chemical Composition (%) C	Si	Mn	P	S	Cu / Ni	Mo / Cr	Al / V	Nb	Sn	CE(1)	Tensile Test: Tensile Strength	Yield point	Elongation(2)	Yield Ratio	Impact Test (V-notch): AVG	1	2	3	Remarks (Impact Specimen Size)
			×100			×1000		×100		×1000			×100	N/mm²		%		(°)	°C			
6X4X9 40.00 FT	4C0955	136 22,168	15	13	74	21	18	21 11	3 13	1 32	2	11	33	558 552	449 447	25.8 26.2	0.80 0.81					
6X4X9 40.00 FT	4C0956	72 11,736	16	13	72	20	19	21 13	3 11	1 30	2	11	34	559 555	449 445	22.5 23.0	0.80 0.80					
6X4X12 40.00 FT	4C0959	54 11,772	16	13	71	23	16	18 9	3 14	2 34	2	18	34	568 563	448 442	22.5 23.2	0.79 0.78					
6X4X12 40.00 FT	4C0960	90 19,620	16	14	73	23	18	18 9	2 10	1 30	2	19	33	577 572	442 438	20.5 21.2	0.77 0.77					
6X4X16 40.00 FT	4C0960	36 10,440	16	14	73	23	18	18 9	2 10	1 30	2	19	33	528 530	403 406	27.5 27.2	0.76 0.77					
TOTAL		388 75,736	====== 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

Conditions of supply : As Rolled

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