Contract No.	
Customer	HYUNDAI CORPORATION
PO No.	32201705CP12
L/C No.	
Commodity	**H-BEAM**
Specification	**HOT ROLLED WIDE FLANGE BEAM ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM) PARA MATERIAL DE VIGA**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20170702478-1
Class certificate No.	
Issue date	2017-07-17

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Yield Ratio(3)	BEND TEST	Impact Test(L) V-Notch				Remarks (Impact Specimen Size)
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CE(1)	Tensile Strength	Yield Strength	Elongation (2)			AVG	1	2	3	
					×100			×1000		×100				×1000				×100	N/mm2		%	-	-	-				
24X7X55	40.00 FT	E 198092	12	11,976	13	15	51	18	9	26	8	1	11	3	11	2	17	26	485 477	371 366	26.0 26.5	0.76 0.77						
24X7X55	40.00 FT	E 198093	10	9,980	14	15	52	21	11	26	9	2	12	3	11	2	13	28	484 479	371 364	28.0 28.0	0.77 0.76						
TOTAL			22	21,956	====== E N D ======																							

(1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15)
(2) Gauge length : 200 mm
(3) Y.R = Y.S/T.S

Note

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.

J. C. Ahn

General Manager of Q.A Team