Contract No.	
Customer	HYUNDAI CORPORATION
PO No.	32201705CP1Q
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	6363,Donghaean-ro,Nam-gu,Pohang-si,Gyeongsangbuk-do,S.Korea
Certificate No.	IH20170608332-1
Class certificate No.	
Issue date	2017-07-13

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)							AVG	1	2	3	
					×100			×1000		×100				×1000				×100											
																				Tensile Strength	Yield Strength	Elongation (2)							
																				N/mm2		%	-	-	-				
30X10-1/2X99	40.00 FT	3G5345	1	1,796	17	16	101	18	9	19	8	2	12	3	31	2	9	39											
																				573	424	25.5	0.73						
																				575	427	24.8	0.74						
30X10-1/2X99	40.00 FT	3G5346	11	19,756	8	16	135	14	8	14	6	2	9	21	49	2	7	35											
																				565	430	25.8	0.76						
																				568	433	25.3	0.76						
30X10-1/2X99	40.00 FT	3G5349	1	1,796	17	16	101	18	10	20	9	3	12	3	31	2	9	39											
																				539	420	28.0	0.77						
																				543	424	27.3	0.78						
30X10-1/2X99	40.00 FT	3G5350	2	3,592	18	16	103	22	10	22	9	3	16	3	31	2	9	42											
																				543	422	27.0	0.77						
																				546	426	26.2	0.78						
30X10-1/2X108	40.00 FT	3G3372	1	1,959	18	16	102	16	10	18	10	3	18	2	30	2	10	42											
																				558	435	25.3	0.77						
																				554	432	26.8	0.77						
30X10-1/2X108	40.00 FT	3G5992	4	7,836	9	15	137	12	9	18	8	3	8	16	46	2	8	37											
																				552	408	30.0	0.73						
																				555	411	29.4	0.74						
30X10-1/2X108	40.00 FT	3G6003	5	9,795	8	16	137	16	13	23	10	3	12	13	49	2	10	37											
																				553	422	25.5	0.76						
																				559	426	25.1	0.76						
30X10-1/2X108	40.00 FT	3G6004	1	1,959	18	15	106	15	9	19	11	3	9	3	29	2	9	41											
																				547	392	26.5	0.71						
																				549	395	26.1	0.71						
TOTAL			26	48,489	====== E N D ======																								

Conditions of supply : As Rolled
(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.

General Manager of Q.A Team