Contract No.	
Customer	PLESA ANAHUAC Y CLAS., S.A. DE C.V.
PO No.	32201707CP21
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.	IH20170901277-1
Class certificate No.	
Issue date	2017-09-07

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition																		Tensile Test			Yield Ratio(3)	BEND TEST	Impact Test(L)				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)			V-Notch			°C	
																												AVG	1	2	3	
						×100		×1000			×100				×1000			×100					N/mm2		%	-	-	-				
6X6X15	40.00 FT	D 142594	80	21,760	16	19	57	24	5	26	9	2	19	4	3	16	11	32					522 524	421 418	26.0 25.5	0.81 0.80						
21X12-1/4X122	40.00 FT	N 038094	1	2,213	18	18	96	21	10	32	9	1	13	5	14	6	12	40					546 542	392 385	27.0 28.0	0.72 0.71						
21X12-1/4X122	40.00 FT	N 038096	3	6,639	18	15	98	21	10	31	9	2	13	3	14	4	13	40					556 551	408 405	24.0 25.0	0.73 0.74						
21X12-1/4X122	40.00 FT	N 038614	1	2,213	18	15	98	23	6	25	11	2	13	3	14	3	12	40					540 537	370 368	27.0 28.5	0.69 0.69						
24X7X62	40.00 FT	E 199412	30	33,750	18	14	64	28	11	34	9	2	13	3	13	2	16	35					519 514	388 386	25.5 26.0	0.75 0.75						
TOTAL			115	66,575	====== 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