

Contract No.	
Customer	PLESA ANAHUAC Y CLAS. S.A. DE C.V.
PO No.	32201707/CP11
L/C No.	
Commodity	H-BEAM
Specification	HOT ROLLED WIDE FLANGE BEAM ASTM A572 G50/A992/CSA G 40.21-13 50WM(345MM) PARA MATERIAL DE VIGA

INSPECTION CERTIFICATE
EN 10204(2004) TYPE 3.1

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20170901276-1
Class certificate No.	
Issue date	2017-09-07
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Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition														Tensile Test			Impact Test(I)			Remarks (Impact Specimen Size)																
					C		Si		Mn		P		S		Cu		Ni		Mo		Cr		Al			V		Nb		Sn		Ce _{in}		Tensile Strength	Yield Strength	Elongation %	Yield Ratio	BEND TEST	AVG		
					×100	×100	×100	×100	×1000	×1000	×100	×100	×100	×100	×1000	×1000	×100	×100	×100	×100	×100	×100	×100	×100		×100	1	2	3												
4X4X13	40.00 FT	D 142620	72	16,992	16	16	58	22	7	30	10	2	18	3	3	16	13	32	545	400	24.0	0.73																			
8X5-1/4X18	40.00 FT	D 142830	88	28,776	16	14	59	25	9	27	10	2	16	2	2	15	12	32	518	402	27.0	0.78																			
8X5-1/4X18	40.00 FT	D 142831	16	5,232	17	15	59	25	6	27	10	2	13	4	3	16	19	32	549	438	24.5	0.80																			
14XSX22	40.00 FT	D 142169	1	399	16	14	64	31	7	25	8	1	16	3	2	17	10	32	538	400	25.5	0.74																			
14XSX22	40.00 FT	D 142207	5	1,995	17	14	60	16	7	30	10	1	14	3	2	18	10	33	521	392	24.0	0.75																			
14XSX22	40.00 FT	D 142225	10	3,990	18	14	57	25	10	29	10	2	17	3	2	16	16	34	524	398	24.5	0.76																			
14XSX22	40.00 FT	D 142226	55	21,945	17	14	58	21	9	30	11	3	14	3	2	17	14	33	536	400	23.5	0.75																			
14XSX22	40.00 FT	D 142232	36	14,364	18	14	59	17	9	33	10	2	10	3	3	18	18	33	532	387	26.0	0.73																			
14XSX22	40.00 FT	D 142233	30	11,970	16	14	60	21	6	32	10	2	15	3	3	18	15	32	529	413	25.5	0.78																			
14X6-3/4X34	40.00 FT	D 142752	35	21,595	17	15	63	24	6	31	11	2	15	3	3	14	16	34	522	411	25.0	0.79																			
SUB TOTAL			348	127,258															517	383	26.0	0.74																			

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

===== N E X T =====

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.

Qrcode scanner App : "Qreal" 2017.09.28.08:00:44 2013039 General Manager of QA Team

J. C. Ahn

HMS I 102(A)-3a A4(20x297)

Contract No.	
Customer	PLESA ANAHUAC Y CLAS., S.A. DE C.V.
PO No.	3220170/CP11
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

		Factory	63, Jungbong -Daero, Dong -gu, Incheon, S. Korea
		Certificate No.	IH20170901276-2
Class certificate No.			
Issue date		2017-09-07	
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Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition											Tensile Test			Yield Ratio	BEND TEST	Impact Test(I)			Remarks (Impact Specimen Size)				
					C	SI	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CEN			Tensile Strength	Yield Strength	Elongation (%)		AVG	1	2	3
14X6-3/4X38	40.00 FT	D 141336	4	2,756	16	14	59	27	5	33	11	2	16	4	2	16	14	32	524	378	25.0	0.72						
14X6-3/4X38	40.00 FT	D 141370	25	17,225	17	12	63	25	14	35	10	2	19	3	4	18	22	35	534	380	26.5	0.71						
14X6-3/4X38	40.00 FT	D 142749	40	27,560	17	14	64	28	5	37	16	3	18	3	3	15	12	35	521	389	27.0	0.75						
14X6-3/4X38	40.00 FT	D 142750	15	10,335	17	16	64	19	7	31	10	2	12	5	2	16	15	33	522	377	28.5	0.72						
16X5-1/2X26	40.00 FT	D 142877	60	28,320	15	15	64	30	9	30	10	2	23	2	2	16	17	33	540	403	24.0	0.75						
16X5-1/2X26	40.00 FT	D 142878	25	11,800	19	14	60	20	8	33	11	2	13	2	2	17	14	35	538	403	25.5	0.75						
TOTAL			517	225,254																								

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

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 QA Team