

Contract No.	
Customer	PLESA ANAHUAC Y CIAS., S.A. DE C.V.
L/C No.	
P/O No.	32201610C331
Commodity	PRIME NEWLLY PRODUCED WIDE FLANGE BEAM.
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

MILL TEST CERTIFICATE.

EN 10204(2004) TYPE 3.1



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20161104369 - 7
Class Cert. No.	
Date of Issue	2016-11-22

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Impact Test (V-notch)				Remarks (Impact Specimen Size)		
			C	Si	Mn	P	S	Cu	Mo	Al	Nb	Sn	CE ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾	Yield Ratio	AVG	1	2		3	
			×100			×1000			×100			×1000		×100	N/mm ²		%		(^o)	c			
16X7X40 40.00 FT	E 193415	45 32,670	18	16	64	26	8	26	2	4		2	12	34	527	405	27.5	0.77					
18X6X45 40.00 FT	E 192984	4 3,340	19	17	64	23	7	22	2	5		1	9	36	539	385	26.0	0.72					
18X6X45 40.00 FT	E 192985	1 835	19	14	64	24	7	25	1	4		1	9	37	550	412	24.5	0.75					
18X6X45 40.00 FT	E 192986	6 5,010	19	15	63	27	7	30	2	4		3	15	37	540	383	26.0	0.71					
18X6X45 40.00 FT	E 193990	3 2,505	18	16	64	23	5	28	1	4		1	15	35	550	375	26.0	0.68					
18X6X45 40.00 FT	E 193991	25 20,875	19	17	65	23	12	33	1	4		2	15	36	526	392	27.5	0.75					
TOTAL		1,463 764,635																					

1052 ===== END =====

(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

J. C. Ahn
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