

Contract No.	
Customer	PLESA ANAHUACY CIAS., S.A. DE C.V.
L/C No.	
P/O No.	32201610C322
Commodity	PRIME NEWLY 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

HYUNDAI STEEL	
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20161104368 - 1
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	Ni	Cr	Mo	Al	V	Nb	Sn	CE(1)	Tensile Strength	Yield point	Elongation(2)		Yield Ratio	AVG	1	2	3
			x100	x100	x1000	x1000	x1000	x100	x100	x100	x100	x100	x100	x1000	x100	x100	x100	N/mm ²	N/mm ²		%	(%)	(%)	C	
6X4X8.5 40.00 FT	D 137505	36 5,544	16	17	59	24	4	28	9	13	2	4	15	14	31	542	427	24.0	0.79						
6X4X8.5 40.00 FT	D 137507	364 56,056	17	16	60	29	4	27	9	23	3	3	15	13	34	544	419	24.0	0.77						
6X4X8.5 40.00 FT	D 137508	600 92,400	17	17	60	27	3	28	9	21	2	4	16	12	34	548	437	25.5	0.80						
6X4X9 40.00 FT	D 137509	203 33,089	16	16	59	29	4	33	9	19	2	4	15	15	33	545	425	23.5	0.80						
6X4X12 40.00 FT	D 137510	336 54,768	18	18	66	28	5	9	20	2	4	13	12	36	556	427	24.5	0.77							
6X4X12 40.00 FT	D 136949	269 58,642	20	15	74	19	7	21	2	2	3	4	13	37	543	412	23.0	0.76							
6X4X12 40.00 FT	D 137502	84 18,312	19	16	66	18	4	18	10	10	2	2	16	10	34	535	414	24.5	0.77						
6X4X13 40.00 FT	D 137050	2 472	17	18	62	29	10	29	9	15	3	3	15	15	33	553	422	24.5	0.76						
6X4X13 40.00 FT	D 137051	228 53,808	19	15	60	26	3	28	9	20	2	4	17	12	36	562	424	23.5	0.76						
SUB TOTAL		2,122 373,091																							

(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

HMS I 102(A)-3a

※ QR마크는 'QReal' App를 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal')

2013039 A4(210x297)