

Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201411C321
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20141103208 - 8
Class Cert. No.	
Date of Issue	2014-11-17

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Yield Ratio	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⁾		AVG	1	2		3	
			×100	×100	×100	×1000	×1000	×100	×100	×100	×1000	×100	×100	N/mm ²	%	%		()	C				
18X11X86 40.00 FT	N 025992	6 9,366	19	16	72	26	10	32	3	6	12	6	12	38	532	402	25.0	0.76					
18X11X86 40.00 FT	N 025993	6 9,366	18	14	64	24	12	33	3	6	12	6	14	36	538	410	25.0	0.76					
18X11X86 40.00 FT	N 025995	6 9,366	18	15	65	21	11	33	2	6	12	6	13	35	522	389	25.0	0.74					
18X11X86 40.00 FT	N 026370	2 3,122	19	14	67	26	9	27	2	5	16	3	11	36	530	394	26.5	0.74					
18X11X86 40.00 FT	N 026371	1 1,561	19	15	65	18	8	27	2	5	13	2	11	35	516	374	27.0	0.72					
18X11X86 40.00 FT	N 026372	6 9,366	18	14	65	26	12	32	2	4	14	2	13	35	532	392	26.0	0.74					
18X11X86 40.00 FT	N 026373	7 10,927	19	15	66	28	9	28	2	4	17	2	14	37	525	373	26.0	0.71					
18X11X86 40.00 FT	N 026376	1 1,561	19	19	67	25	11	24	2	4	12	2	12	36	514	367	27.0	0.71					
18X11X97 40.00 FT	N 025985	18 31,680	18	15	68	27	11	29	2	5	8	6	13	36	552	412	26.0	0.75					
SUB TOTAL		53 86,315																					

(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

A4(210x297)

HMS I 102(A)-3a

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