

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 - 7
Class Cert. No.	
Date of Issue	2014-11-17

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			%		C			
18X11X76 40.00 FT	N 025989	3 4,137	20	18	65	31	8	26	2	7		6	14	37	542	399	25.5	0.74					
18X11X76 40.00 FT	N 025997	12 16,548	19	14	64	28	10	30	2	6		7	13	35	543	402	26.5	0.74					
18X11X76 40.00 FT	N 025998	6 8,274	18	15	67	31	10	35	2	5		5	13	36	551	409	28.0	0.74					
18X11X76 40.00 FT	N 026000	5 6,895	20	17	65	27	11	30	2	6		6	11	36	531	411	25.0	0.77					
18X11X76 40.00 FT	N 026001	6 8,274	18	17	67	32	12	31	2	5		6	13	35	537	406	26.0	0.76					
18X11X76 40.00 FT	N 026367	2 2,758	18	14	65	24	11	29	2	5		2	12	34	523	390	25.5	0.75					
18X11X76 40.00 FT	N 026368	16 22,064	18	17	67	24	7	26	2	6		3	11	35	523	389	26.5	0.74					
18X11X76 40.00 FT	N 026369	8 11,032	18	15	66	28	7	28	2	5		2	11	36	536	401	26.0	0.75					
18X11X86 40.00 FT	N 025804	1 1,561	18	15	64	21	10	24	2	4		4	12	34	543	418	28.0	0.77					
SUB TOTAL		59 81,543																					

(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

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