



Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201506C112
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1

		
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea	
Certificate No.	IH20150700675 - 9	
Class Cert. No.		
Date of Issue	2015-07-03	

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		×1000		×100		×1000			×100		N/mm ²		%		(°)	C								
27X10X84 40.00 FT	N 028668	2 3,048	18	16	99	29	10	24	2	4	10	16	15	3	13	41	547	402	25.0	0.74							
27X10X84 40.00 FT	N 028697	20 30,480	18	15	98	27	10	23	3	3	10	19	15	4	14	41	551	404	25.0	0.73							
27X10X84 40.00 FT	N 028698	4 6,096	18	17	99	26	8	26	3	3	11	17	14	4	10	41	543	395	26.0	0.73							
27X10X84 40.00 FT	N 028700	1 1,524	18	17	97	26	11	25	2	2	10	16	14	4	9	40	536	390	25.5	0.73							
27X10X84 40.00 FT	N 028701	2 3,048	18	20	98	27	11	22	2	3	9	18	15	5	12	41	542	390	26.0	0.72							
27X10X84 40.00 FT	N 029033	6 9,144	18	14	97	23	10	15	2	3	8	14	15	2	7	39	535	390	25.0	0.73							
27X10X84 40.00 FT	N 029034	3 4,572	18	16	99	23	8	15	5	3	8	12	15	4	11	40	544	414	25.0	0.76							
27X10X102 40.00 FT	N 028953	12 22,212	18	14	98	25	10	26	2	3	10	24	15	7	11	42	551	412	27.0	0.75							
27X10X102 40.00 FT	N 028954	8 14,808	18	16	97	26	10	24	2	4	9	24	16	5	13	42	549	402	27.0	0.73							
SUB TOTAL		58 94,932																									
TOTAL		2,102 1,286,053	===== E N D =====																								

(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

