



Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201503C511
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.	IH20150305391 - 3	
Class Cert. No.		
Date of Issue	2015-03-30	

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				
18X7-1/2X50 40.00 FT	E 181208	48 43,536	18	15	65	22	9	26	2	2	3	12	35	541	406	26.0	0.75					
18X7-1/2X50 40.00 FT	E 181209	24 21,768	19	16	66	21	7	24	2	3	3	11	36	537	399	26.5	0.74					
18X7-1/2X50 40.00 FT	E 181210	13 11,791	18	18	64	19	5	32	2	4	2	14	34	527	390	26.0	0.74					
18X7-1/2X50 40.00 FT	E 181211	22 19,954	17	14	65	22	6	29	1	4	2	17	34	522	390	25.5	0.75					
18X7-1/2X50 40.00 FT	E 181212	43 39,001	18	17	66	34	8	31	2	4	3	16	36	536	382	27.0	0.71					
18X7-1/2X50 40.00 FT	E 181213	14 12,698	18	14	66	25	8	26	1	4	1	11	36	540	387	26.0	0.72					
18X7-1/2X50 40.00 FT	E 181214	9 8,163	18	15	64	18	10	26	2	3	1	16	35	549	400	26.0	0.73					
18X7-1/2X50 40.00 FT	E 181215	7 6,349	18	14	63	25	11	30	1	3	1	17	34	533	382	28.0	0.72					
18X7-1/2X55 40.00 FT	E 180712	12 11,976	18	14	98	20	9	24	2	4	4	14	40	557	431	24.0	0.77					
SUB TOTAL		192 175,236																				

(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



B. N. Lee
OVERSEAS SALES TEAM

J. C. Ahn

General Manager of O.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 1102(A)-3a

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

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