



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 - 6	
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 Ni	Mo Cr	Al V	Nb	Sn	CE ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾		AVG	1	2	3	
			×100		×1000		×100		×1000		×100	N/mm ²		%	(°)	°C						
18X11X119 40.00 FT	N 028890	12 25,908	17	14	116	32	10	24 12	4 23	2 16	4 4	12 12	44	566 563	390 386	24.0 24.0	0.69 0.69					
18X11X119 40.00 FT	N 028891	3 6,477	19	21	114	22	9	24 17	5 17	4 16	4 3	11 11	45	572 570	396 393	24.0 25.0	0.69 0.69					
21X8-1/4X68 40.00 FT	E 183272	20 24,680	19	17	97	29	9	25 10	3 24	4 17	4 4	15 15	43	562 558	413 408	25.0 25.5	0.74 0.73					
21X8-1/4X68 40.00 FT	E 183273	4 4,936	18	16	98	12	8	23 12	3 14	3 14	4 4	11 11	40	572 567	423 417	26.0 27.0	0.74 0.74					
21X6-1/2X44 40.00 FT	E 183342	44 35,112	14	14	55	23	13	26 9	2 15	3 14	4 4	13 13	29	493 489	381 377	26.5 27.0	0.77 0.77					
21X6-1/2X44 40.00 FT	E 183343	35 27,930	13	17	53	23	6	23 10	2 17	3 14	3 3	10 10	28	498 494	384 382	27.0 27.5	0.77 0.77					
21X6-1/2X44 40.00 FT	E 183344	1 798	15	17	55	21	6	25 8	2 14	4 13	3 3	11 11	30	503 499	385 383	25.5 26.0	0.76 0.77					
24X9X76 40.00 FT	N 028999	9 12,411	19	16	98	28	11	20 12	2 16	3 14	5 5	13 13	41	545 549	412 415	26.5 27.5	0.76 0.76					
24X9X76 40.00 FT	N 029000	6 8,274	18	17	96	30	7	22 10	2 14	4 14	5 5	20 20	40	547 544	410 406	24.0 24.5	0.75 0.75					
SUB TOTAL		134 146,526																				

(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

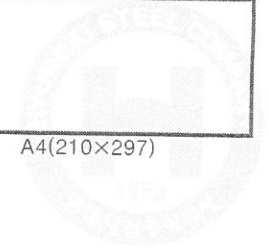
J. C. Ahn

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" App을 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : "Qreal")



A4(210×297)