

MILL TEST CERTIFICATE



Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201504C313
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

EN 10204(2004) TYPE 3.1

Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20150406053 - 1
Class Cert. No.	
Date of Issue	2015-04-28

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 Ni	Mo Cr	Al V	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				
18X7-1/2X71 40.00 FT	E 181835	24 30,936	18	19	95	25	9	27 9	2	4	14	3	14	40	550	386	27.0	0.70				
18X7-1/2X71 40.00 FT	E 181836	24 30,936	19	18	97	22	10	33 9	2	5	14	4	16	41	554	401	24.0	0.72				
12X8X40 40.00 FT	D 126832	40 29,040	18	17	61	27	5	23 9	2	4	3	18	10	34	531	417	26.0	0.78				
12X8X40 40.00 FT	D 126833	12 8,712	19	16	62	25	7	24 10	3	8	4	20	20	36	535	417	24.5	0.78				
12X8X40 40.00 FT	D 126834	4 2,904	19	15	60	20	4	22 9	2	4	4	15	11	34	538	392	26.0	0.73				
12X8X40 40.00 FT	D 126838	8 5,808	19	15	60	23	7	28 10	2	10	2	15	13	36	541	424	25.0	0.78				
12X8X40 40.00 FT	D 126839	72 52,272	18	16	60	24	6	28 11	2	4	3	15	14	35	533	398	27.0	0.75				
12X8X40 40.00 FT	D 126841	66 47,916	18	14	61	28	4	30 11	2	4	4	15	14	36	532	406	25.5	0.76				
12X8X40 40.00 FT	D 126842	22 15,972	19	15	62	27	5	33 10	2	4	3	20	19	36	540	398	25.5	0.74				
SUB TOTAL		272 224,496																				

(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

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

General Manager of Q.A Team

HMS 1102(A)-3a

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

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