



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

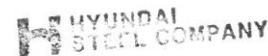
		
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea	
Certificate No.	IH20150305391 - 6	
Class Cert. No.		
Date of Issue	2015-03-30	

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						
12X8X45 40.00 FT	D 126309	5 4,090	18	13	60	26	7	35	2	13	13	35	547	417	26.5	0.76							
12X8X50 40.00 FT	D 125701	13 11,791	19	17	62	25	7	27	3	5	18	17	36	539	398	26.0	0.74						
12X8X50 40.00 FT	D 125702	21 19,047	18	15	60	27	6	31	3	5	19	16	35	540	404	25.0	0.75						
12X8X50 40.00 FT	D 126319	12 10,884	21	18	59	19	7	32	2	3	16	13	37	533	417	24.0	0.78						
12X8X50 40.00 FT	D 126320	28 25,396	19	14	62	23	9	33	2	4	17	17	37	530	411	24.5	0.78						
12X10X53 40.00 FT	E 181232	2 1,922	18	15	64	21	6	27	2	3	15	1	12	35	528	380	26.0	0.72					
12X10X53 40.00 FT	E 181250	2 1,922	18	16	99	18	9	32	2	3	14	3	16	42	520	371	28.5	0.71					
12X10X53 40.00 FT	E 181274	5 4,805	19	15	64	32	2	27	2	4	2	12	36	539	397	26.0	0.74						
12X10X53 40.00 FT	E 181275	23 22,103	17	16	65	24	5	26	2	4	2	14	35	537	396	26.0	0.74						
SUB TOTAL		111 101,950																					

(Note) (1) Ceq: (CE=C+Mn/5+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

[Signature]
SALES MANAGER
GENERAL SALES TEAM 1

HMS 1102(A)-3a

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

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