



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 - 11	
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 <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>	Yield Ratio	AVG	1	2		3			
			×100		×1000		×100		×1000		×100		N/mm <sup>2</sup>	%	( )	C									
16X5-1/2X31 40.00 FT	D 126187	45 25,290	16	17	58	29	7	30	2	3	11	17	2	15	14	32	519	381	25.5	0.73					
16X5-1/2X31 40.00 FT	D 126189	35 19,670	17	17	60	30	12	35	2	3	12	17	2	18	13	34	515	380	27.5	0.74					
16X7X36 40.00 FT	D 125742	48 31,344	16	17	58	23	11	33	2	3	11	16	3	17	16	32	520	388	27.0	0.75					
16X7X36 40.00 FT	D 126030	40 26,120	17	16	58	29	6	31	3	3	11	16	3	17	13	33	526	403	26.5	0.77					
16X7X36 40.00 FT	D 126031	80 52,240	16	17	58	27	5	28	4	3	11	21	4	14	12	33	522	404	26.0	0.77					
16X7X40 40.00 FT	D 126022	44 31,944	16	14	62	29	9	33	3	2	9	23	4	17	13	34	514	387	27.5	0.75					
16X7X40 40.00 FT	D 126023	40 29,040	17	14	58	24	8	30	3	2	9	17	3	16	12	33	519	408	26.0	0.79					
16X7X40 40.00 FT	D 126025	4 2,904	17	15	59	29	9	33	3	2	10	18	3	15	13	34	551	410	25.0	0.74					
16X7X45 40.00 FT	D 126021	68 55,488	16	15	62	23	9	29	2	3	9	17	3	17	14	33	501	378	26.0	0.75					
SUB TOTAL		404 274,040																							

(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

HYUNDAI STEEL COMPANY

*[Signature]*

OVERSEAS SALES TEAM 1

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

HMS1 102(A)-3a

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

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