



Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201411C321
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE

		
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea	
Certificate No.	IH20141202930 - 3	
Class Cert. No.		
Date of Issue	2014-12-16	

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					
24X7X62 40.00 FT	E 178746	4 4,500	19	15	63	18	3	25 9	2 13	5 13		3	13	35	546	422	24.0	0.77					ORIGINAL
24X7X62 40.00 FT	E 178828	1 1,125	19	14	65	17	8	25 8	1 8	4 13		3	13	34	521	394	27.5	0.76					
24X7X62 40.00 FT	E 178829	6 6,750	18	14	62	20	9	23 9	2 10	4 15		4	10	33	509	390	25.5	0.77					
24X7X62 40.00 FT	E 178830	1 1,125	19	15	63	28	10	25 8	2 11	5 15		4	21	35	522	413	26.5	0.79					
TOTAL		239 235,522	===== E N D =====																				

(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

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

B. H. Lee

H. LEE / GENERAL MANAGER
OVERSEAS SALES TEAM 1