

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.	IH20141103208 - 15
Class Cert. No.	
Date of Issue	2014-11-17

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	×1000	×100	×1000	×100	×1000	×100	N/mm ²		%		(^o)	C			
24X12-3/4X104 40.00 FT	N 025895	16,983	19	16	69	18	6	22	3	5	4	9	36	540	393	25.0	0.73					
24X12-3/4X104 40.00 FT	N 025896	11,322	17	15	66	23	7	17	3	4	3	8	33	544	390	26.0	0.72					
24X12-3/4X104 40.00 FT	N 025897	20,757	19	14	68	25	12	21	3	5	5	10	36	537	396	26.0	0.74					
24X12-3/4X104 40.00 FT	N 025898	37,740	19	16	73	28	12	23	3	6	6	11	37	539	397	26.5	0.74					
24X12-3/4X104 40.00 FT	N 025899	1,887	20	17	65	22	10	25	2	5	4	11	36	549	405	24.5	0.74					
24X12-3/4X104 40.00 FT	N 025901	3,774	17	22	80	25	11	26	2	5	6	10	37	543	402	25.0	0.74					
24X12-3/4X104 40.00 FT	N 025902	11,322	18	16	62	26	7	26	2	6	4	10	34	551	400	25.0	0.73					
27X10X84 40.00 FT	N 025960	33,528	17	16	66	28	9	24	3	6	6	10	34	548	409	25.5	0.72					
27X10X84 40.00 FT	N 025961	3,048	18	16	68	25	8	28	2	6	4	10	35	543	405	24.5	0.76					
SUB TOTAL		140,361																				

(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

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