



Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201411C32P
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W


MILL TEST CERTIFICATE

		
Head Office	6363, Donghaean-ro, Nam-gu, Pohang, 790-707, S. Korea	
Certificate No.	IH20141204710 - 1	
Class Cert. No.		
Date of Issue	2014-12-19	


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					
30X10-1/2X108 40.00 FT	3E7536	1 1,959	18	17	101	22	12	24 9	2 16	3 32	2	10	41	586	431	23.4	0.74					ORIGINAL
30X10-1/2X108 40.00 FT	3E7537	1 1,959	18	16	100	21	14	24 9	2 14	3 33	2	15	41	584	427	25.0	0.73					
TOTAL		2 3,918	===== 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

Conditions of supply : As Rolled


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


GENERAL MANAGER
SALES TEAM 1