


Contract No.	
Customer	GERDAU CORSA SAPI DE CV
L/C No.	DPCMXH502059
P/O No.	32201505C231
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL		
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea	
Certificate No.	IH20150700669 - 13	
Class Cert. No.		
Date of Issue	2015-07-03	

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	
			x100		x1000		x100		x1000		x1000		x100		N/mm ²		%		(^o)	C			
21X12-1/4X101 40.00 FT	N 028629	14 25,648	19	17	94	26	8	21 10	3 14	3 16		2	10	40	541 537	387 382	25.0 26.0	0.72 0.71					
21X12-1/4X101 40.00 FT	N 028630	3 5,496	18	20	97	28	10	26 9	3 15	3 14		4	13	40	552 544	392 388	24.0 25.0	0.71 0.71					
21X12-1/4X101 40.00 FT	N 028631	9 16,488	18	21	98	29	8	25 10	3 11	3 14		4	11	40	542 539	391 385	26.0 26.5	0.72 0.71					
21X12-1/4X101 40.00 FT	N 028632	13 23,816	18	16	96	25	9	21 9	3 13	3 14		3	13	39	542 538	377 371	25.5 26.0	0.70 0.69					
21X12-1/4X101 40.00 FT	N 028633	18 32,976	18	17	97	25	11	21 8	2 13	3 14		3	13	39	562 556	398 395	26.0 26.5	0.71 0.71					
21X12-1/4X101 40.00 FT	N 028634	29 53,128	19	14	98	34	12	26 10	2 20	3 15		3	13	42	562 559	402 391	25.0 25.5	0.72 0.70					
21X12-1/4X101 40.00 FT	N 028635	41 75,112	18	16	97	28	8	22 9	3 15	3 13		2	11	40	548 546	383 379	26.0 26.5	0.70 0.69					
21X12-1/4X101 40.00 FT	N 028636	31 56,792	19	17	98	30	10	25 9	3 16	3 15		2	12	42	532 529	375 370	25.5 26.0	0.70 0.70					
21X12-1/4X101 40.00 FT	N 028637	30 54,960	18	15	98	30	11	26 9	2 13	3 15		4	11	40	536 531	372 368	26.5 26.0	0.69 0.69					
SUB TOTAL		188 344,416																					

(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