

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



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20150700669 - 14
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	Mo	Al	Nb	Sn	CE <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>	Yield Ratio	AVG	1	2	3				
			x100		x1000		x100		x1000			x100		N/mm <sup>2</sup>		%		C							
21X12-1/4X101 40.00 FT	N 028638	17 31,144	18	15	96	33	11	24	2	3	9	16	15	4	13	40	537	401	24.0	0.75					
21X12-1/4X101 40.00 FT	N 028974	1 1,832	18	16	99	27	8	26	2	4	9	15	17	6	14	41	540	389	26.5	0.72					
21X12-1/4X101 40.00 FT	N 028976	1 1,832	18	15	99	30	8	24	2	3	9	13	16	5	16	40	540	390	26.0	0.72					
21X12-1/4X101 40.00 FT	N 028977	1 1,832	18	17	97	34	8	27	2	3	9	16	16	5	13	40	547	379	26.0	0.69					
21X12-1/4X111 40.00 FT	N 026625	31 62,434	19	15	98	25	11	25	3	3	9	12	14	4	13	41	531	369	28.5	0.70					
21X12-1/4X111 40.00 FT	N 028626	34 68,476	18	17	96	30	11	20	3	4	9	17	14	4	11	41	547	392	24.0	0.72					
21X12-1/4X111 40.00 FT	N 028627	13 26,182	18	16	97	28	12	21	3	3	10	15	15	3	13	40	547	382	26.5	0.70					
21X12-1/4X111 40.00 FT	N 028978	9 18,126	20	15	97	22	10	21	2	3	10	12	19	4	14	41	545	380	26.0	0.70					
21X12-1/4X122 40.00 FT	N 027969	1 2,214	19	19	106	28	8	24	2	4	10	16	14	3	11	43	563	393	24.0	0.70					
SUB TOTAL		108 214,072																							

(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

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 of Q.A Team

HMS 1102(A)-3a

\* QR마크는 'QReal' App을 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal')

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