



Contract No.	
Customer	GERDAU CORSA SAPI DE CV
L/C No.	DPCMXH500022
P/O No.	32201502C211
Commodity	HOT ROLLED WIDE FLANGE BEAMS
Specification	ASTM A572 G50/A992/ CSA 350W

# MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1

		
Certificate No.	IH20150202511 - 40	
Class Cert. No.		
Date of Issue	2015-02-16	

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 <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>	Yield Ratio	AVG	1	2		3
			x100	x100	x100	x1000	x1000	x100	x100	x1000	x100	N/mm <sup>2</sup>	%		( )	C						
18X6X40 40.00 FT	E 180108	20 14,520	18	16	63	22	7	27 9	2 13	8 13	3	28	34	517 514	407 405	25.0 25.5	0.79 0.79					
18X6X40 40.00 FT	E 180109	25 18,150	19	18	64	29	7	34 10	2 19	4 14	2	20	37	536 534	401 403	25.5 25.0	0.75 0.75					
18X6X40 40.00 FT	E 180112	30 21,780	18	16	65	21	9	31 11	3 14	3 15	3	17	35	535 537	400 402	25.5 25.0	0.75 0.75					
18X6X46 40.00 FT	E 180112	4 3,340	18	16	65	21	9	31 11	3 14	3 15	3	17	35	538 521	401 389	25.5 27.0	0.74 0.75					
18X6X46 40.00 FT	E 180113	48 40,080	18	17	63	21	14	30 11	3 14	4 15	3	20	35	534 526	399 394	26.0 26.5	0.75 0.75					
18X6X46 40.00 FT	E 180114	43 35,905	18	18	64	19	11	32 12	3 15	5 15	3	18	36	526 517	395 388	26.0 25.5	0.75 0.75					
18X11X76 40.00 FT	N 027010	9 12,411	19	18	97	21	7	21 10	2 12	6 16	6	10	40	573 557	412 398	26.0 25.5	0.72 0.72					
18X11X76 40.00 FT	N 027011	4 5,516	19	19	98	23	12	25 10	2 15	6 14	6	20	41	562 559	406 400	25.0 25.5	0.72 0.72					
18X11X76 40.00 FT	N 027028	26 35,854	19	15	97	24	7	28 9	2 17	7 14	5	13	42	559 561	418 412	26.0 25.5	0.74 0.73					
SUB TOTAL		209 187,556																				

(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