



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 - 18	
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 ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾	Yield Ratio	AVG	1	2		3
			x100		x1000		x100		x1000			x100	N/mm ²		%		()	C				
18X7-1/2X55 40.00 FT	E 180375	25 24,950	18	15	98	23	6	26 8	2 16	5 13	4	11	40	543 551	390 398	27.5 27.0	0.72 0.72					
18X7-1/2X60 40.00 FT	E 180382	16 17,424	18	19	97	23	12	22 8	2 14	5 14	2	15	40	554 548	410 402	26.0 27.0	0.74 0.73					
18X7-1/2X60 40.00 FT	E 180383	41 44,649	19	20	97	23	7	28 9	2 15	6 15	2	14	41	578 570	430 424	26.0 26.5	0.74 0.74					
18X7-1/2X60 40.00 FT	E 180384	1 1,089	19	19	96	26	10	26 11	3 18	5 15	2	13	42	577 573	422 418	25.0 25.5	0.73 0.73					
18X7-1/2X60 40.00 FT	E 180386	2 2,178	20	21	97	32	4	28 10	2 24	7 15	2	18	44	593 590	441 438	23.5 24.0	0.74 0.74					
18X7-1/2X60 40.00 FT	E 180712	12 13,058	18	14	98	20	9	24 8	2 15	7 14	4	14	40	549 545	412 408	26.0 26.5	0.75 0.75					
18X7-1/2X65 40.00 FT	E 180378	1 1,179	20	16	98	24	10	25 8	2 18	8 14	1	5	33	550 537	416 412	26.0 26.5	0.76 0.77					
18X7-1/2X65 40.00 FT	E 180379	26 30,654	19	14	95	22	8	23 9	2 16	6 14	2	12	41	552 536	420 411	25.5 26.0	0.76 0.77					
18X7-1/2X65 40.00 FT	E 180380	61 71,919	19	18	96	23	10	23 10	2 14	7 13	3	12	41	554 542	424 418	24.5 24.0	0.76 0.77					
SUB TOTAL		185 207,110																				

(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