



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 - 21	
Class Cert. No.		
Date of Issue	2015-02-16	

Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Yield Ratio	Impact Test (V-notch)				Remarks (Impact Specimen Size)	
			C	Si	Mn	P	S	Cu	Mo	Al	Nb	Sn	CE ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾		AVG	1	2	3		
			x100		x1000		x100		x1000			x100		N/mm ²		%		()	C				
12X12X65 40.00 FT	E 180317	4 4,208	20	18	95	28	9	27	3	5						565	427	23.5	0.75				
12X12X65 40.00 FT	E 180196	13 15,327	18	18	97	25	5	28	2	5						569	412	23.5	0.72				
12X12X65 40.00 FT	E 180197	61 71,919	18	16	98	29	6	31	3	4						575	410	24.0	0.71				
12X12X65 40.00 FT	E 180198	38 44,802	19	15	100	25	10	32	1	4						556	397	26.0	0.71				
12X12X65 40.00 FT	E 180199	1 1,179	18	16	96	25	7	25	2	5						552	394	25.0	0.71				
12X12X65 40.00 FT	E 180200	1 1,179	19	18	98	33	8	29	2	6						560	392	26.0	0.70				
12X12X65 40.00 FT	E 180204	2 2,358	19	17	95	28	7	30	2	5						566	410	23.0	0.72				
12X12X65 40.00 FT	E 180206	4 4,716	18	17	96	12	7	24	2	5						563	413	23.5	0.73				
12X12X79 40.00 FT	E 179947	12 17,208	18	14	100	24	9	26	1	4						571	402	23.0	0.70				
SUB TOTAL		136 162,896																					

(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