



Contract No.	
Customer	GERDAU CORSA SAPI DE CV
L/C No.	
P/O No.	32201408C231
Commodity	WIDE FLANGE BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

# INSPECTION CERTIFICATE

		
Certificate No.	IH20140801602 - 10	
Class Cert. No.		
Date of Issue	2014-08-11	

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 <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>		AVG	1	2	3	
			x100		x1000		x100		x1000		x100		N/mm <sup>2</sup>		%	( )		C				
16X5-1/2X26 40.00 FT	D 122239	20 9,440	17	14	61	26	9	27	2	6	15	15	33	527	394	25.0	0.75					
16X5-1/2X31 40.00 FT	D 122241	156 87,672	17	12	58	20	5	25	2	6	16	13	32	524	384	26.0	0.73					
16X5-1/2X31 40.00 FT	D 122256	30 16,860	16	15	57	26	10	24	2	6	17	13	31	515	391	26.0	0.76					
16X7X36 40.00 FT	D 122492	40 26,120	17	17	60	30	11	23	2	5	17	11	32	504	379	24.5	0.75					
16X7X36 40.00 FT	D 122493	104 67,912	18	15	58	20	11	22	2	3	16	12	32	499	368	24.0	0.74					
16X7X36 40.00 FT	D 122494	80 52,240	16	14	59	31	14	24	2	4	17	13	31	500	372	25.5	0.74					
16X7X40 40.00 FT	D 122495	28 20,328	15	13	58	25	11	28	1	3	17	15	30	496	379	25.0	0.76					
16X7X40 40.00 FT	D 122496	36 26,136	17	14	66	30	10	25	2	4	20	13	34	502	391	26.0	0.78					
16X7X45 40.00 FT	D 122453	78 63,648	16	14	59	21	4	23	2	4	16	14	31	498	390	25.5	0.78					
SUB TOTAL		572 370,356																				

(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