



Contract No.	
Customer	GERDAU CORSA SAPI DE CV
L/C No.	DPCMXH500702
P/O No.	32201503C21P
Commodity	HOT ROLLED WIDE FLANGE BEAMS
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE


EN 10204(2004) TYPE 3.1

		
Head Office	6363, Donghaean-ro, Nam-gu, Pohang, 790-707, S. Korea	
Certificate No.	IH20150306226 - 5	
Class Cert. No.		
Date of issue	2015-03-31	

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 ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾	Yield Ratio	AVG	1	2		3	
			x100		x1000		x100		x1000			x100		N/mm ²		%		C					
33X11-1/2X118 40.00 FT	3E8909	33 83,499	17	15	100	20	8	23	2	3		2	15	39	557	444	25.7	0.80					
33X11-1/2X118 40.00 FT	3E8910	4 8,564	17	15	100	19	7	24	2	3		3	16	39	563	434	26.4	0.77					
33X11-1/2X130 40.00 FT	3E8234	1 2,359	18	16	104	24	13	21	2	4		3	19	41	560	444	23.2	0.79					
33X11-1/2X130 40.00 FT	3E8904	32 75,469	18	17	101	22	8	23	2	4		3	12	40	565	424	27.5	0.75					
33X11-1/2X130 40.00 FT	3E8905	40 94,360	17	16	101	20	8	25	2	4		3	16	39	562	426	28.0	0.76					
33X11-1/2X141 40.00 FT	3E8235	2 5,116	17	16	102	22	14	22	2	3		3	15	41	558	421	23.1	0.75					
33X11-1/2X141 40.00 FT	3E8903	29 74,182	17	17	102	28	10	29	2	5		4	15	42	580	430	24.9	0.74					
33X11-1/2X141 40.00 FT	3E8904	1 2,555	18	17	101	22	8	23	2	4		3	12	40	585	438	24.2	0.75					
33X11-1/2X169 40.00 FT	3E8902	28 85,484	19	16	103	28	12	28	2	5		3	16	44	589	441	23.6	0.75					
SUB TOTAL		178 431,610																					

[Note] (1) Ce₁ = (C+Mn)/6+(Cr/Si)/5+(Mo/S)/5+(Ni)/15+(Cu)/15 (2) Gauge length = 200 mm (3) Yield Ratio = YR/TS

Conditions of supply : As Rolled


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