



Contract No.	
Customer	GERDAU CORSA SAPI DE CV
L/C No.	DPCMXH500022
P/O No.	32201501C211
Commodity	HOT ROLLED WIDE FLANGE BEAMS
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1

		
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea	
Certificate No.	IH20150105199 - 29	
Class Cert. No.		
Date of Issue	2015-02-02	

Dimensions & Length	Heat No.	Pleces Weights (kg)	Chemical Composition (%)											Tensile Test			Yield Ratio	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⁾		AVG	1	2	3	
			x100		x1000		x100		x1000		x100		N/mm ²		%	()		C				
18X11X76 40.00 FT	N 026632	49 67,571	18	15	98	28	8	28 9	2 17	6 26	6	15	41	575 570	428 423	25.5 26.0	0.74 0.74					
18X11X76 40.00 FT	N 026633	63 86,877	19	16	97	32	10	33 11	3 21	5 24	6	13	43	572 568	433 429	25.0 25.5	0.76 0.76					
18X11X76 40.00 FT	N 026634	63 86,877	18	14	98	21	8	23 8	2 18	4 24	6	9	41	573 570	430 425	25.5 26.0	0.75 0.75					
18X11X76 40.00 FT	N 026635	54 74,466	19	14	97	20	11	22 10	3 15	4 24	5	12	41	568 562	428 423	23.0 23.5	0.75 0.75					
18X11X76 40.00 FT	N 026636	34 46,886	18	18	97	22	11	24 10	2 16	5 25	6	11	41	578 570	443 438	25.0 26.0	0.77 0.77					
18X11X76 40.00 FT	N 026637	9 12,411	18	20	97	24	9	26 10	2 15	6 25	6	13	40	580 573	433 430	26.0 26.5	0.75 0.75					
18X11X76 40.00 FT	N 026638	36 49,644	18	20	97	23	6	26 9	2 13	5 24	6	16	40	574 570	428 422	28.0 28.5	0.75 0.74					
18X11X76 40.00 FT	N 026639	63 86,877	18	16	97	25	12	31 9	2 14	4 25	6	12	41	577 574	446 443	23.5 24.0	0.77 0.77					
18X11X76 40.00 FT	N 026640	63 86,877	19	17	98	28	7	29 10	3 16	6 25	7	13	42	578 575	449 445	24.0 23.5	0.78 0.77					
SUB TOTAL		434 598,486																				

(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