

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

HYUNDAI STEEL



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20150105199 - 22
Class Cert. No.	
Date of Issue	2015-02-02

Dimensions & Length	Heat No.	Places 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					
14X14-1/2X120 40.00 FT	N 026826	19 41,363	18	15	97	21	8	24	2	5	8	12	15	4	15	39	563	400	23.0	0.71					
14X14-1/2X120 40.00 FT	N 026827	5 10,885	18	18	98	23	9	25	2	6	9	15	15	5	11	40	559	390	24.0	0.70					
14X14-1/2X132 40.00 FT	N 026818	3 7,182	18	14	97	20	12	23	2	4	9	13	15	4	17	40	545	379	25.0	0.70					
14X14-1/2X132 40.00 FT	N 026819	31 74,214	18	19	97	18	9	27	2	6	9	11	14	4	11	39	558	383	23.0	0.69					
14X14-1/2X132 40.00 FT	N 026820	22 52,668	18	15	97	21	10	27	2	5	9	14	14	5	12	40	529	367	23.5	0.69					
14X14-1/2X132 40.00 FT	N 026821	16 38,304	18	16	97	25	10	28	2	5	8	13	14	4	14	40	554	391	23.5	0.71					
16X5-1/2X26 40.00 FT	D 124789	50 23,600	17	16	57	26	3	30	2	5	10	16	2	15	12	33	543	402	26.0	0.74					
16X5-1/2X26 40.00 FT	D 124820	26 12,272	16	18	59	22	6	33	2	5	10	12	1	15	14	32	516	380	27.0	0.74					
16X5-1/2X26 40.00 FT	D 124821	150 70,800	20	14	60	22	4	42	2	5	10	15	2	15	19	37	551	413	25.0	0.75					
SUB TOTAL		322 331,288															547	410	24.0	0.75					

(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