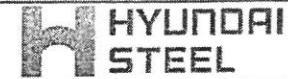


Contract No.	
Customer	TO GERDAU CORSA SAPI DE CV
L/C No.	DPCMXH501206
P/O No.	32201505C211
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

### MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1



Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20150406057 - 12
Class Cert. No.	
Date of Issue	2015-04-28

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 Ni	Mo Cr	Al V	Nb	Sn	CE <sup>(1)</sup>	Tensile Strength	Yield point	Elongation <sup>(2)</sup>	Yield Ratio	AVG	1	2		3
			x100	x1000	x100	x1000	x100	x1000	x100	x1000	x100	N/mm <sup>2</sup>	%		(%)	C						
12X6-1/2X30 40.00 FT	D 126205	42 22,848	16	13	60	19	3	21 9	13	3	16	15	31	513 510	376 376	25.0 24.0	0.74 0.74					
12X6-1/2X35 40.00 FT	D 125599	5 3,175	12	21	111	15	5	21 8	24 10	41	3	9	36	510 502	392 378	24.5 24.5	0.77 0.75					
12X6-1/2X35 40.00 FT	D 126207	18 11,430	17	14	59	17	7	24 9	23 12	3	16	25	32	542 540	404 401	26.0 26.5	0.74 0.74					
12X6-1/2X35 40.00 FT	D 126208	60 38,100	16	14	58	19	7	26 9	24 14	3	16	12	31	520 517	388 382	24.5 25.0	0.75 0.74					
12X6-1/2X35 40.00 FT	D 126209	12 7,620	17	15	60	18	5	24 9	23 16	2	17	12	33	509 514	369 378	25.5 25.0	0.72 0.74					
12X6-1/2X35 40.00 FT	D 126214	90 57,150	11	23	109	15	4	26 10	24 10	40	3	10	35	508 511	391 395	26.0 26.0	0.77 0.77					
12X6-1/2X35 40.00 FT	D 126215	18 11,430	17	16	61	24	9	31 10	23 16	3	16	19	34	528 521	391 387	26.0 26.5	0.74 0.74					
18X7-1/2X50 40.00 FT	E 181208	26 23,582	18	15	65	22	9	26 8	23 17	2	3	12	35	541 532	406 398	28.0 28.5	0.75 0.75					
18X7-1/2X50 40.00 FT	E 181209	36 32,652	19	16	66	21	7	24 8	23 14	3	3	11	36	537 529	399 393	26.5 27.0	0.74 0.74					
SUB TOTAL		307 207,987																				

(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

HMS | 102(A)-3a

※ QR마크는 'Qreal' App을 통하여 일본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal')

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