


Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201606C811
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(345WM)

# INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

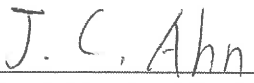

	
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 22525, S. Korea
Certificate No.	IH20160800510 - 10
Class Cert. No.	
Date of Issue	2016-08-03



Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)												Tensile Test				Impact Test (V-notch)				Remarks (Impact Specimen)
			C	Si	Mn	P	S	Cu Ni	Mo Cr	Al V	Nb	Sn	CE(1)	Tensile Strength	Yield point	Elongation(2)	Yield Ratio	AVG	1	2	3		
			×100			×1000			×100			×1000			×100	N/mm <sup>2</sup>		%		c			
24X7X55 40.00 FT	E 191299	5 4,990	13	15	52	17	9	25 8	2	3	2	10	27	514 488	422 385	26.0 26.5	0.82 0.79						
24X7X55 40.00 FT	E 191301	14 13,972	13	18	50	17	8	24 8	2	5	3	11	26	503 494	405 397	24.5 25.5	0.80 0.80						
24X7X55 40.00 FT	E 191303	9 8,982	14	19	51	28	9	25 9	2	5	3	12	29	524 503	436 393	23.0 24.5	0.83 0.78						
24X7X55 40.00 FT	E 191304	20 19,960	13	17	50	23	6	30 10	2	6	3	12	28	515 504	420 390	25.0 26.5	0.82 0.77						
24X7X55 40.00 FT	E 191305	2 1,996	13	16	53	27	8	25 8	2	4	3	12	29	510 499	416 398	26.0 26.5	0.82 0.80						
24X7X55 40.00 FT	E 191306	24 23,952	14	15	52	24	9	27 9	2	3	3	11	28	519 508	433 403	24.5 25.5	0.83 0.79						
24X7X55 40.00 FT	E 191307	11 10,978	15	16	52	28	9	21 8	2	10	5	14	30	515 517	421 427	25.5 25.0	0.82 0.83						
24X7X62 40.00 FT	E 191266	25 28,125	19	17	96	22	6	25 8	1	4	2	12	40	567 561	420 415	25.0 25.5	0.74 0.74						
24X7X62 40.00 FT	E 191267	7 7,875	18	18	66	21	4	22 7	2	4	3	13	34	540 538	410 400	26.5 27.0	0.76 0.74						
SUB TOTAL		117 120,830																					

ORIGINAL

(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

 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	
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