

# INSPECTION CERTIFICATE



**Head Office**  
 8363, Donghaean-ro, Nam-gu,  
 Pohang, 37864, S. Korea  
**Certificate No.**  
 IH20161006018 - 1  
**Class Cert. No.**  
 2016-11-22  
**Date of Issue**

EN 10204(2004) TYPE 3.1

Contract No.	
Customer	HYUNDAI CORPORATION
L/C No.	
P/O No.	32201610C32P
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G 40.21-13 50WM(34.5WM)

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	Ni	Cr	Al	V	Nb	Sn	CE <sup>(1)</sup> X100	Tensile Strength N/mm <sup>2</sup>	Yield point N/mm <sup>2</sup>	Elongation <sup>(2)</sup> %		Yield Ratio	AVG	1	2	3	
30X10-1/2X108 40.00 FT	3G1221	14 27,426	19	15	104	21	13	25	3	1	18	31	2	12	44	556	412	21.5	0.74							
30X10-1/2X108 40.00 FT	3G1222	5 9,795	18	14	103	21	14	26	2	1	16	30	1	12	42	562	417	25.7	0.74							
30X10-1/2X108 40.00 FT	3G1223	3 5,877	19	16	104	24	11	22	3	1	22	31	1	14	44	549	406	21.8	0.73							
TOTAL		22 43,098														553	411	21.2	0.74							

(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  
 Conditions of supply: As Rolled

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

2013039 A4(210x297)

\* DRP/CRP/QR/Real ADP를 통하여 원본 확인에 사용되는 마크입니다. (QRcode scanner App : 'Qreal')

General Manager of Q.A Team