

Contract No.	
Customer	DUFERCO
PO No.	32201910C221
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)

ORIGINAL

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL H(CORE)		
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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea	
Certificate No.	IH20191106159-5	
Class certificate No.		
Issue date	2019-12-04	

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Yield Ratio	BEND TEST	Impact Test(L)				Remarks (Impact Specimen Size)				
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CE _P	Tensile Strength	Yield Strength			Elongation	V-Notch	°C						
					×100		×1000		×100			×1000			×100	N/mm ²	%	%	AVG	1			2	3							
24X12-3/4X162	40.00 FT	N 050712	9	26,451	17	16	110	20	7	23	8	2	17	2	14	1	9	41	569	396	25.0	0.696									
TOTAL				348	714,022																										

===== END =====

(1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15)
 (2) Gauge length : 200 mm
 (3) Y.R = Y.S/T.S

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.

J. E. Han

General Manager of QA Team