Contract No.	
Customer	DUFERCO
PO No.	32201910C21P
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

Factory	6363,Donghaean-ro,Nam-gu,Pohang-si,Gyeongsangbuk-do,S.Korea
Certificate No.	IH20191106912-2
Class certificate No.	
Issue date	2019-12-03

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CE(1)	Tensile Test: Tensile Strength	Yield Strength	Elongation (2)	Yield Ratio(3)	BEND TEST	Impact Test(L) V-Notch °C AVG	1	2	3	Remarks (Impact Specimen Size)
					×100			×1000		×100				×1000				×100	N/mm2		%	-	-	-				
30X10-1/2X90	40.00 FT	3I3858	21	34,314	18	16	100	13	8	22	9	3	10	5	30	1	8	40	554 551	419 442	24.4 23.6	0.750 0.800						
30X10-1/2X90	40.00 FT	3I3859	21	34,314	18	16	103	18	9	24	10	3	14	5	31	2	10	41	561 555	434 414	25.5 25.7	0.770 0.740						
30X10-1/2X90	40.00 FT	3I3860	15	24,510	18	18	102	16	7	25	9	2	13	6	31	2	11	41	573 569	434 436	24.6 23.8	0.750 0.760						
30X10-1/2X90	40.00 FT	3I3861	3	4,902	18	15	102	16	8	23	10	2	12	5	31	1	10	41	550 561	418 437	25.5 25.0	0.760 0.770						
TOTAL			139	248,999																								

====== E N D ======

Conditions of supply : As Rolled
(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

Note

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.

General Manager of Q.A Team

This test report can be verified the authenticity to scan the top-right QR code via 'Qreal" mobile app.

2019.12.10 08:55:35 2018178

HMS 1 102(A)-3a A4(210x297)