Contract No.	
Customer	DUFERCO
PO No.	32201910C22P
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 HICORE

Factory	6363,Donghaean-ro,Nam-gu,Pohang-si,Gyeongsangbuk-do,S.Korea
Certificate No.	IH20191106913-1
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	CEq(1)	Tensile Test Tensile Strength	Yield Strength	Elongation (2)	Yield Ratio(3)	BEND TEST	Impact Test(L) V-Notch AVG	1	2	3 ℃	Remarks (Impact Specimen Size)
					×100			×1000		×100				×1000				×100	N/mm2		%	-	-	-				
36X12X135	40.00 FT	3I3948	2	4,898	12	15	130	18	9	23	8	2	12	17	36	2	13	39	561 562	397 406	26.9 26.3	0.700 0.720						
36X12X135	40.00 FT	3I3965	13	31,837	18	21	103	14	11	18	9	2	10	7	29	2	11	40	559 555	405 395	26.2 26.8	0.720 0.710						
36X12X135	40.00 FT	3I3966	12	29,388	18	16	101	16	11	22	10	2	9	5	31	2	9	40	563 557	419 427	27.2 25.8	0.740 0.760						
36X12X150	40.00 FT	3I3963	10	27,210	19	15	105	17	14	21	12	4	15	4	31	2	16	43	567 570	405 402	24.5 23.9	0.710 0.700						
36X12X160	40.00 FT	3I3962	11	31,933	19	14	102	22	15	23	11	3	14	4	30	2	11	42	566 558	400 399	23.9 24.2	0.700 0.710						
36X12X160	40.00 FT	3I3963	1	2,903	19	15	105	17	14	21	12	4	15	4	31	2	16	43	555 558	394 391	24.1 23.8	0.700 0.700						
TOTAL			49	128,169	====== 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.

2019.12.10.09:05:09 2018178

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