Date: 11/21/2023 To: SENTRY SUPPLY dba SO#: A793736 Ln#: 1 PO#: 245629 Part: W1603150* Qty: 1 Heat#: d172166*
Tag: B11112023

Contract No.	
Customer	
PO No.	SSW125711
L/C No.	
Commodity	**H-BEAM**
Specification	**ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)**

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20220406340-27
Class certificate No.	
Issue date	2022-04-22

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	N	CE(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			×1000	×100				N/mm2		%							
16X5-1/2X26	60.00 FT	D 172706	45	31,815	11	16	80	24	5	23	10	2	19	2	2	15	120	31				550 548	406 399	25.2 25.6	0.739 0.729						
16X5-1/2X31	35.00 FT	D 172166	10	4,920	16	13	61	29	9	25	11	2	22	0	2	15	86	33				562 563	423 426	25.0 25.0	0.753 0.757						
16X5-1/2X31	35.00 FT	D 172167	49	24,108	18	14	62	30	6	27	10	2	20	3	3	17	84	35				565 562	438 433	24.4 24.7	0.776 0.771						
16X5-1/2X31	40.00 FT	D 172166	35	19,670	16	13	61	29	9	25	11	2	22	0	2	15	86	33				562 563	423 426	25.0 25.0	0.753 0.757						
16X5-1/2X31	45.00 FT	D 171651	1	633	16	14	61	30	6	23	11	2	16	2	1	16	100	32				549 550	401 411	25.1 25.3	0.731 0.748						
16X5-1/2X31	45.00 FT	D 172166	25	15,825	16	13	61	29	9	25	11	2	22	0	2	15	86	33				562 563	423 426	25.0 25.0	0.753 0.757						
16X5-1/2X31	50.00 FT	D 172166	45	31,635	16	13	61	29	9	25	11	2	22	0	2	15	86	33				562 563	423 426	25.0 25.0	0.753 0.757						
16X5-1/2X31	55.00 FT	D 172166	11	8,503	16	13	61	29	9	25	11	2	22	0	2	15	86	33				562 563	423 426	25.0 25.0	0.753 0.757						
16X5-1/2X31	55.00 FT	D 172167	15	11,595	18	14	62	30	6	27	10	2	20	3	3	17	84	35				565 562	438 433	24.4 24.7	0.776 0.771						
16X5-1/2X31	60.00 FT	D 172167	33	27,852	18	14	62	30	6	27	10	2	20	3	3	17	84	35				565 562	438 433	24.4 24.7	0.776 0.771						
SUB TOTAL			**269**	**176,556**	====== N E X T ======																										

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

Note
Melted and Poured in Republic of Korea

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.

2022.05.19.18:07:51

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