

11728

ORIGINAL

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1



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Contract No.	DUFERCO
Customer	32201901CF11
PO No.	
L/C No.	
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/CSA G4021-13 50WM(345MM)

Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea	
Certificate No.	IH20190304360-2	
Class certificate No.		
Issue date	2019-03-22	

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition													Tensile Test			Yield Test			Impact Test(I)			Remarks (Impact Specimen Size)						
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CEI	Tensile Strength	Yield Strength	Elongation	Yield Ratio	BEND TEST	V-Notch	AVG	1		2	3				
24X12-3/4X104	40.00 FT	N 047107	3	5,661	18	15	93	19	5	23	8	2	9	5	14	2	13	38	549	406	28.0	0.740											
24X12-3/4X104	40.00 FT	N 047108	12	22,644	18	15	95	19	8	22	8	2	9	2	14	2	10	38	547	411	27.8	0.752											
24X12-3/4X104	40.00 FT	N 047109	12	22,644	18	15	95	21	8	23	8	2	12	2	14	1	11	39	546	404	28.5	0.740											
24X12-3/4X104	40.00 FT	N 047115	3	5,661	18	16	97	24	8	28	10	2	13	2	14	3	12	40	541	385	27.0	0.712											
27X10X84	40.00 FT	N 046310	1	1,524	18	15	96	21	10	27	10	2	10	3	13	3	11	39	547	415	26.0	0.759											
27X10X84	40.00 FT	N 046256	1	1,524	18	15	95	22	9	22	8	2	11	2	13	1	10	39	553	413	25.0	0.747											
27X10X84	40.00 FT	N 046263	11	16,764	18	16	95	26	10	18	7	1	10	2	14	1	9	38	559	407	24.0	0.729											
27X10X84	40.00 FT	N 046265	10	15,240	18	16	96	21	12	17	6	1	9	3	16	3	10	38	547	412	25.5	0.754											
27X10X84	40.00 FT	N 046268	1	1,524	19	17	95	20	7	21	6	1	14	3	13	1	10	40	564	409	27.5	0.726											
27X10X84	40.00 FT	N 046270	3	4,572	18	16	96	19	14	30	9	1	13	2	14	1	11	40	554	404	25.0	0.730											
SUB TOTAL			57	97,758																													

(1) Ceq: (C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15)
 (2) Gauge length : 200 mm
 (3) YR = YS/TS

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.

[Signature]

General Manager of QA Team

This test report can be verified the authenticity to scan the top-right QR code via "Qreal" mobile app. 2019.03.25.15:11:53 2018178 HMS I 10204-3a A4(210x297)