


Contract No.	
Customer	DUFERCO
L/C No.	
P/O No.	32201503C511
Commodity	H-BEAM
Specification	ASTM A572 G50/A992/ CSA 350W

MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1

	
Head Office	63, Jungbong-daero, Dong-gu, Incheon, 401-712, S. Korea
Certificate No.	IH20150305391 - 15
Class Cert. No.	
Date of Issue	2015-03-30



Dimensions & Length	Heat No.	Pieces Weights (kg)	Chemical Composition (%)											Tensile Test			Yield Ratio	Impact Test (V-notch)				Remarks (Impact Specimen Size)			
			C	Si	Mn	P	S	Cu	Mo	Al	Nb	Sn	CE ⁽¹⁾	Tensile Strength	Yield point	Elongation ⁽²⁾		AVG	1	2	3				
			×100		×1000		×100		×1000		×100		N/mm ²		%	C									
24X9X94 40.00 FT	N 027829	5 8,530	18	14	100	27	8	25	2	3	9	13	16	4	11	40	540	392	24.5	0.73					
24X7X55 40.00 FT	E 180804	21 20,958	13	16	52	17	9	29	2	5	10	12	13	3	13	27	512	410	25.5	0.80					
24X7X55 40.00 FT	E 180805	37 36,926	13	18	50	18	10	25	2	6	10	12	12	4	12	27	508	397	26.5	0.78					
24X7X55 40.00 FT	E 180806	6 5,988	13	16	50	21	9	23	3	5	14	19	13	3	10	28	506	407	24.0	0.80					
24X7X62 40.00 FT	E 180793	14 15,750	19	16	64	20	9	26	3	5	12	24	16	5	15	38	533	384	26.5	0.72					
24X7X62 40.00 FT	E 180794	69 77,625	20	16	64	23	11	29	3	5	12	23	16	5	13	39	549	397	25.0	0.72					
24X7X62 40.00 FT	E 180795	33 37,125	18	15	67	30	13	27	3	4	10	28	16	5	12	38	535	385	26.0	0.72					
TOTAL		3,644 2,794,487	===== E N D =====																						

(Note) (1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15) (2) Gauge length : 200 mm (3) Yield Ratio = YP/TS



J. C. Ahn
General Manager of O.A Team

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]
OVERSEAS SALES TEAM

HMS 1102(A)-3a

* QR마크는 'Qreal' App를 통하여 원본 확인에 사용되는 마크입니다 (QRcode scanner App : 'Qreal')

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