

# MILL TEST CERTIFICATE

HOT-ROLLED STAINLESS STEEL PLATE

EN 10204 3.1B



**D.K.C.(DAEKYUNG CORP.)**  
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 SEOUL OFFICE : Tel : 82- 2-594-7818  
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End User ENCORE METALS LP.	Works No. 60327011	Certificate Ref. No. 20080626-1588-1-011	2 / 2
Customer Name ENCORE METALS LP		Purchase Order No. 38051	
Specification ASTM A240/480 ASME SEC II SA240/480	Sub-Section 304L/304	Grade(TYPE) 304L/304	Edition 2005 2004
Addenda		UNS S30403/S30400	Finish No.1
		S30403/S30400	No.1
Heat Treatment - Solution Annealed 1080 °C WATER COOLING		Condition of Plates GOOD	
Mps No.			

No.	Bundle No.	Heat No.	Plate No.	Product SIZE (inch)			Q'ty (sh)	Weight (kg)	AGS	Roughness	Permeability (μ)	DIRECTION	SIZE	Impact Test(charpy)				
				T	W	L								V-notch 1st	2nd	3rd	Avg	
6	0605-0634	SC03374	PB204505-1-01	2	96	200	1	5,080				T						
7	0605-0682	SC03374	PB204508-1-01	2.5	96	168	1	5,330				T						
8	0606-0010	SC03371	PB204509-1-01	3	96	140	1	5,330				T						
9	0606-0027	SC03119	PC168275-2-02	0.375	96	240	1	1,140				T						
Sub Total				4				16,880	Grand Total				9	24,865				

No.	Dir	Chemical composition (%)											Practice				Tensile Test(1N/mm <sup>2</sup> =1MPa)				Hardness			
		Cont	C	Si	Mn	P	S	Cr	Ni	Mo	N	Co	Cu	Ti	Nb	A	E	B	C	0.2%Y.S		1.0%Y.S	T.S	EL
6	L	Max	0.030	0.75	2.00	0.045	0.030	20.00	12.00		0.10									170		485	40	92
6	L	Min	0.022	0.44	1.64	0.026	0.004	18.25	8.15	0.12	0.044	0.17	0.17							275.1	325.4	620.7	59.7	84.6
7	L		0.022	0.44	1.64	0.026	0.004	18.25	8.15	0.12	0.044	0.17	0.17							286.7	332.4	611.7	58.9	84.5
8	L		0.027	0.40	1.72	0.029	0.003	18.44	8.20	0.11	0.046	0.15	0.15							312.4	361.7	616.2	57.9	86.9
9	L		0.028	0.59	1.51	0.026	0.003	18.28	8.24	0.13	0.039	0.17	0.21							238.9	290.1	602.1	58.7	83.4

**EMLP APPROVED**

Remarks: JUL 17 2006  
 BY: *[Signature]*

Additional Spec:

<p>검사증명서 위, 변조시 사문서 위조(형법231조)로 불이익을 당할 수 있습니다.</p> <p>Position: T: Top M: Middle B: Bottom                  Direction: L: Longitudinal C: Crosswise</p> <p>GI(Gauge Length)                  Rectangular: A:50mm B:70mm C:100mm D:5.65√A                  Round: E:50mm F:70mm G:5.65√A</p> <p>Impact Test Specimen Size                  1:10X10mm 2:7.5X10mm 3:5.0X10mm 4:2.5X10mm                  (1:0.39X0.39inch 2:0.3X0.39inch 3:0.2X0.39inch 4:0.1X0.39inch)</p>	<p>Division: L: Ladle Analysis P: Product Analysis                  AGS: ASTM E112 A.G.S Test                  10% Oxalic Acid Etch Test - ASTM A262 Practice A</p> <p>1: Step Structure 2: Dual Structure                  3: Ditch Structure 4: Isolated Ferrite Roots                  5: Interdendritic Ditches 6: End Grain Pitting I.II</p> <p>Cu-Cu Sulfate-Sulfuric Acid Test - ASTM A262 Practice E                  G: GOOD N: NOT GOOD</p>	<p>Surveyor or Inspector to:</p> <p>General Manager of D.K.C Quality</p> <p><i>Kwak Jung Sik</i></p>
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