

INSPECTION CERTIFICATE

SC42577



DKC Pohang
H.O/FACTORY : Tel:82-54-245-3063
SEOUL OFFICE : Tel:82-2-3016-2833
BUSAN OFFICE : Tel:82-51-313-9122

HOT-ROLLED STAINLESS STEEL PLATE

EN 10204 3.1

Location: 612-1, Go Hyun-Ri, Chung He-Myun, Buk-Gu, Pohang, Kyung Buk, Korea

ISSUE DATE : 2012-06-22

End User A.S.A ALLOY	Works No. 120326001	Certificate Ref. No. 20120622-1056-1-064	1 / 1
Customer Name A.S.A ALLOY		Purchase Order No. 17643	
Specification	Sub-Section	Grade(TYPE)	Edition
ASTM A240/480	10a/10	316L	
ASME SEC II SA240/480		316L	2010
NACE MR-0175			2003
		Addenda	UNS
		2011	S31603
			S31603
			Finish
			No.1

Heat Treatment - Solution Annealed 2012 F WATER COOLING	Condition of Plate GOOD	Mps No.
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No.	Bundle No.	Request No.	Heat No.	Plate No.	Product SIZE			Q'ty (sh)	Weight (kg)	AGS	Roughness	Permeability (u)	POSITION	DIR	S	Impact Test (Charpy)			
					(inch)											V-notch 1st	2nd	3rd	Avg
					T	W	L												
1	1205-0442		SC40968	11PB223809-1-01	2	96	144	1	3,656.0				T						
2	1205-0436		SC42577	11PB229680-1-01	3	95	144	1	5,484.0				B						
3	1205-0383		SC41935	11PC919734-1-01	1.25	95	144	1	2,289.0				T						
4	1205-0624		SC41664	11PC926205-1-01	1.5	95	144	1	2,742.0				B						
Sub Total					4				14,171.0	Grand Total			4						14,171.0

No.	Division	Chemical Composition (%)													Practice				POSITION	DIRECTION	Tensile Test (1N/mm ² =1MPa)					Hardness			
		Cont	C	Si	Mn	P	S	Cr	Ni	Mo	N	Co	Cu	Ti	Nb	A	E	B			C	Y.S 0.2%	Y.S 1.0%	T.S	EL		Ra		
		Max	0.030	0.75	2.00	0.045	0.030	18.00	14.00	3.00	0.100																		HRB
		Min						18.00	10.00	2.00																			92
1	L	0.018	0.44	0.65	0.026	0.001	18.73	10.12	2.08	0.047	0.13	0.19									47.5	52.6	84.1	81.5	78.7				
2	L	0.018	0.44	0.65	0.031	0.000	18.78	10.12	2.09	0.038	0.19	0.22									42.6	48.7	82.3	83.4	83.3				
3	L	0.017	0.55	0.62	0.027	0.001	18.94	10.13	2.04	0.047	0.15	0.22									37.7	48.0	85.8	81.4	77.3				
4	L	0.015	0.46	0.65	0.026	0.001	18.72	10.17	2.05	0.037	0.13	0.23									42.6	49.2	83.8	85.6	78.1				

Remarks Mercury Free, No weld repair statement	Additional Spec
Manufacture Info. DK Corporation	

NO WELD REPAIRS	Surveyor or Inspector to:
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Position: T:Top M:Middle B:Bottom	Division: L: Ladle Analysis P: Product Analysis
Direction: L: Longitudinal C: Crosswise	AGS: ASTM E112 A.G.S TEST
GL(Gauge Length) ASTM E8	10% Oxalic Acid Etch Test - ASTM A262 Practice A
Rectangular: A:50mm B:70mm C:100mm D:5.65-A	1: Step Structure 2: Dust Structure
Round: E:50mm F:70mm G:5.65-A	3: Ditch Structure 4: Isolated Ferrite Roofs
Impact Test Specimen Size	5: Interdendritic Ditch 6: End Grain Pitting L.I
1: 10X10mm 2: 7.5X10mm 3: 5.0X10mm 4: 2.5X10mm	Cu-Cu Sulfate-Sulfuric Acid TEST - ASTM A262 Practice E
(1: 0.39X0.39inch 2: 0.30X0.39inch 3: 0.20X0.39inch 4: 0.1X0.39inch)	G: GOOD N: NOT GOOD

We hereby certify that the material herein has been made in accordance with the order and specification

H.B. CHAE