

MILL TEST CERTIFICATE

HOT-ROLLED STAINLESS STEEL PLATE

EN 10204 3.1



DKC Pohang
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Location:66, Gohyeon-Gil 98Beon-Gil, Cheongha-Myeon, Buk-Gu, Pohang, Kyung Buk,

Mit Zustimmung des TÜV-Rheinland Industrie Service GmbH

ISSUE DATE: 2022-02-16

We hereby certify that the material described above has been tested complies with the terms of the order contract

Customer	Article	Certificate No.
주식회사 포스코인터내셔널	HOT-ROLLED STAINLESS STEEL PLATE	20220216-25311-1-045 6 / 8
State of delivery	Works No.	Marking
SOLUTION TREATED	211101089	Brand of the manufacture
	P/N No.	DK Corporation
Melting-process : A.O.D	Technical requirements/demand	Intergranular corrosion test
Heat treatment : Min 1040 °C	AD2000-W0/W2/W10	EN ISO 3651-2A : GOOD
Water cooling	PED2014/68/EU	
Visual inspection and dimensional check : GOOD	Identification test : WITHOUT COMPLAINTS	

Specification	Edition	Addenda	Grade	Material-UNS designation	Finish
EN 10088-4	2009		1.4307/1.4301	X2CrNi18-9/X5CrNi18-10	1D
EN 10028-7	2016		1.4307/1.4301	X2CrNi18-9/X5CrNi18-10	1D
EN 10088-2	2014		1.4307/1.4301	X2CrNi18-9/X5CrNi18-10	1D
ASTM A240M/480M	19/19A		304L/304	S30403/S30400	No.1
ASME SEC II SA240M/480M	2019		304L/304	S30403/S30400	No.1

No.	Bundle No.	Heat No.	Plate No.	Quantity	Dimension (mm)			Weight (kg)	ASTM E112
					Thickness	Width	Length		Grain size
21	2112-0741	SD55449	17PC993314-2-01	1	20.000	2000	6000	1.932	6.1
22	2112-0692	SD55444	17PC993316-2-02	1	20.000	2000	4000	1.288	6.2
23	2111-0588	21SD54647	21QBX0765-05-01	1	15.000	1500	6000	1.086	6.1
24	2111-0588	21SD54647	21QBX0765-05-02	1	15.000	1500	6000	1.086	6.1

Tolerances on dimension, shape and mass	EN 10029 class B/N	EN ISO 18286 A/N	ASTM A480/A480M
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Chemical composition (%)																
No.	Heat No.	Division	Cont	C	Si	Mn	P	S	Ni	Cr	N	Mo	Co	Cu	Ti	Nb
			Max	0.030	1.00	2.00	0.045	0.015	10.50	19.50	0.100					
			Min						8.00	17.50						
21	SD55449	L		0.020	0.34	1.67	0.031	0.006	8.03	18.08	0.069	0.19	0.23	0.30		
		P														
22	SD55444	L		0.023	0.40	1.63	0.030	0.007	8.08	18.24	0.068	0.19	0.23	0.26		
		P														
23	21SD54647	L		0.022	0.43	1.51	0.031	0.004	8.05	18.15	0.040	0.15		0.27		
		P														
24	21SD54647	L		0.022	0.43	1.51	0.031	0.004	8.05	18.15	0.040	0.15		0.27		
		P														

Mechanical tests

No.	Plate No	Specimen			Tensile test (1N/mm ² =1MPa)							Impact test				Test temperature	Hardness = HBW		
					Dim's of specimen		Yield point Proof stress		Tensile Strength		Elongation %		Energy of Impact(J)						
		Loca tion	Direc tion	Positi on														Thick (mm)	Width (mm)
					Rp0.2	Rp1.0	Rm	A ₅	A _{50mm}	Values									
										1st	2nd	3rd	Avg						
														210	250				
21	17PC993314-2-01	T	C	1/4t	20.3	25.05	242.5	299.3	607.2	58.8	71.4	10	176.4	182.3	189.1	182.3	RT	81.2	
22	17PC993316-2-02	B															RT	78.9	
		T	C	1/4t	20.2	25.05	244.4	299.8	607	58.8	67	10	175.4	179.3	185.2	180.3			
23	21QBX0765-05-01	B															RT	80.0	
		T	C	1/4t	15	25	228.6	285.3	630.8	56.1	61.4	10	172.5	183.3	175.4	177.4			
24	21QBX0765-05-02	B															RT	80.0	
		T	C	1/4t	15	25	228.6	285.3	630.8	56.1	61.4	10	172.5	183.3	175.4	177.4			

Ultrasonic test	Manufacture Info															
Remarks	Mercury Free, No weld repair statement															
	NACE MR0175 & ISO 15156-3															
	DK Corporation															

NO REPAIR WELDING HAS BEEN PERFORMED ON THE MATERIAL															
Direction : L = Longitudinal	C = Transverse	Temp : RT = Room temperature													
Location : T = Top	B = Bottom														
Division : L = Ladle analysis	P = Product analysis														

THANK YOU FOR USING ALWAYS DK Corporation.