



SHAPING TOMORROW

PT GUNUNG RAJA PAKSI Tbk

Beam Plant Division

MILL TEST CERTIFICATE

Acc to EN 10204 - 3.1

Customer :
 Certificate Number : 1856 / GRP-MTC / V / 2021
 Certificate Date : May 21, 2021
 SO Axapta NO. : SP0-2103-0505
 DO No. : 7638-3
 Specification : JIS G 3101 SS 400 / Bj P 41
 Dimensional Tolerance : JIS G 3192 : 2000 / SNI 07-7178-2006

Shipper : PT. Gunung Raja Paksi Tbk
 Destination : Jakarta - Indonesia
 Commodity : HOT ROLLED BEAM
 Total Weight : 37,456 Kg
 Total Pieces : 44

Size (mm)	Length (mm)	Quantity		Heat No.	Chemical Composition (%)					Mechanical Properties			Bend Test 180° R = 1.5 T
		Total Pieces	Weight		C	Si	Mn	P	S	Yield Strength N/mm ²	Tensile Strength	Elongation (%) on 200 mm	
		(Pcs)	(Kg)										
250 X 125 X 6 X 9	12,000	2	710	A 13042102	0.122	0.192	0.779	0.029	0.030	369	480	29	GOOD
250 X 125 X 6 X 9	12,000	2	710	A 13042105	0.116	0.204	0.813	0.019	0.027	341	455	30	GOOD
250 X 125 X 6 X 9	12,000	2	710	A 12042103	0.120	0.242	0.809	0.023	0.031	377	478	28	GOOD
400 X 200 X 8 X 13	12,000	10	7,920	A 17042102	0.123	0.231	0.820	0.029	0.028	309	424	34	GOOD
400 X 200 X 8 X 13	12,000	10	7,920	A 16042113	0.099	0.231	0.807	0.019	0.031	351	467	24	GOOD
400 X 200 X 8 X 13	12,000	3	2,376	A 17042105	0.105	0.209	0.820	0.019	0.031	337	449	34	GOOD
500 X 200 X 10 X 16	12,000	10	10,750	A 22032105	0.101	0.214	0.815	0.015	0.034	324	439	31	GOOD
600 X 200 X 11 X 17	12,000	4	5,088	A 21042113	0.108	0.267	0.835	0.022	0.028	337	454	30	GOOD
600 X 200 X 11 X 17	12,000	1	1,272	A 13042112	0.120	0.204	0.786	0.015	0.032	337	454	31	GOOD

We hereby certify that above steels have been satisfactorily tested in accordance with the specification

Head Office & Factory :
 Jl. Perjuangan No.8
 Kp. Tangsi RT. 004/006 Sukadanau
 Cikarang Barat, Bekasi 17530, West Java
 INDONESIA

Inspected by

 AHMAD ANSORI
 Quality Assurance
 PT GUNUNG RAJA PAKSI Tbk
 BEKASI - INDONESIA



SHAPING TOMORROW

PT GUNUNG RAJA PAKSI Tbk

Beam Plant Division

MILL TEST CERTIFICATE

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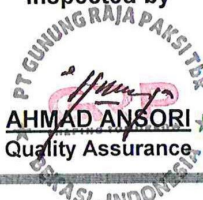
Customer :
 Certificate Number : 1804 / GRP-MTC / V / 2021
 Certificate Date : May 10, 2021
 SO Axapta N0. : SP0-2103-0010
 DO No. : 7636-3
 Specification : JIS G 3101 SS 400 / Bj PHC 400
 Dimensional Tolerance : JIS G 3192 : 2000 / SNI 2610:2011

Shipper : PT. Gunung Raja Paksi Tbk
 Destination : Jakarta - Indonesia
 Commodity : HOT ROLLED BEAM
 Total Weight : 15,994 Kg
 Total Pieces : 11

Size (mm)	Length (mm)	Quantity		Heat No.	Chemical Composition (%)					Mechanical Properties			Bend Test 180° R = 1.5 T
		Total Pieces	Weight		C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation	
		(Pcs)	(Kg)							N/mm ²		(%) on 200 mm	
350 X 350 X 12 X 19	12,000	2	3,288	A 14122004	0.130	0.208	0.818	0.013	0.028	305	429	29	GOOD
350 X 350 X 12 X 19	12,000	1	1,644	A 15122012	0.118	0.210	0.691	0.009	0.028	314	440	34	GOOD
350 X 350 X 12 X 19	12,000	1	1,644	A 14122001	0.167	0.174	0.676	0.016	0.025	318	460	28	GOOD
350 X 350 X 12 X 19	12,000	3	4,932	A 15122010	0.110	0.186	0.691	0.009	0.031	333	449	30	GOOD
350 X 350 X 12 X 19	12,000	2	3,288	A 15122007	0.131	0.190	0.693	0.011	0.036	309	432	34	GOOD
200 X 200 X 8 X 12	12,000	2	1,198	A 21042104	0.128	0.212	0.835	0.022	0.033	334	456	28	GOOD

We hereby certify that above steels have been satisfactorily tested in accordance with the specification

Head Office & Factory :
 Jl. Perjuangan No.8
 Kp. Tangsi RT. 004/006 Sukadanau
 Cikarang Barat, Bekasi 17530, West Java
 INDONESIA

Inspected by

 AHMAD ANSORI
 Quality Assurance




SIAM YAMATO STEEL CO., LTD.
MILL INSPECTION CERTIFICATE
 In Accordance with DIN 50049 / EN 10204-3.1



Head office : 1 Siam Cement Road, Bangsue, Bangkok Thailand 10800 Tel : (662) 586-2783-4, 5865329-30 Fax: (662) 586 2687, 910-3123
 Factory-I : 9 I-7 Rd.,Maptaphut Industrial Estate, Rayong ,Thailand 21150 Tel : (038) 683-723-32 Fax:(038) 683-200
 Factory-II :9/9 Soi G-5 Pakorn Songkronraj Road, Huay Pong Muang, Rayong 21150 Tel.: (038) 698 - 500 Fax :(038) 698 - 549

Certificate No. : 42120020227

Reference No. : OCE2000063

D/P No. : 361852941 , 361852942 , 361852943 , 361852944 , 361852945 , 361852946 , 361852947 , 361852949 , 361852950 , 361852951 , 361852952 , 361853110

Standard SNI 07-0052-2006 BJ P 41, SS400

Steelmaking and Manufacturing Process :EAF,Killed Steel ,AS-Rolled

Revision :00

Customer :

Location of sample and test piece : Comply with SNI 07-0358-1989

Date of Issue :25/02/2020

Description of Goods : Hot-rolled channel-U steel profiles

Type of Impact test piece : -

Page 1 of 2

Remark 1 : Conformed to SNI 07-0052-2006

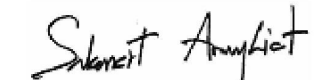
Shape of Tensile test piece : Rectangular cross-section

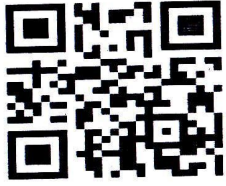
Remark 2 :

Marking of the product : Marking and Information available on Sticker

Remark 3 :

Dimension x Length	Grade	Qty (Pcs.)	Heat No.	Yield Str. (MPa)	Mechanical Property (Test Piece Direction : L)							Chemical Composition (%)															
					Tensile Str. (MPa)	Elong.(%)	Bend Test	Charpy Impact (J) -				C x100	Si x100	Mn x100	Cu x100	Al x1000	P x1000	S x1000	Nb x1000	V x1000	N x1000	Ni x100	Cr x100	Ti x1000	Mo x1000	Pcm x100	CE x100
								Test1	Test2	Test3	Avg.																
U 125X65X6/8X12.00M	SS400	46	AB0702	337.74	473.76	25.21	PASS	-	-	-	-	13	18	49	28	2	15	10	0	1	7	9	17	1	20	19	26
				339.10	467.51	24.90	PASS	-	-	-	-	13	18	49	28	2	15	10	0	1	7	9	17	1	20	19	26
U 125X65X6/8X12.00M	SS400	121	AB0703	337.25	468.60	29.11	PASS	-	-	-	-	14	17	46	28	1	16	15	0	1	6	9	16	1	18	19	26
				341.36	470.29	26.76	PASS	-	-	-	-	14	17	46	28	1	16	15	0	1	6	9	16	1	18	19	26
U 125X65X6/8X12.00M	SS400	102	AB0704	335.21	464.59	28.20	PASS	-	-	-	-	14	18	47	30	1	15	14	0	1	8	10	15	1	18	20	26
				337.14	466.52	29.26	PASS	-	-	-	-	14	18	47	30	1	15	14	0	1	8	10	15	1	18	20	26
U 125X65X6/8X12.00M	SS400	90	AB0705	337.70	470.15	27.99	PASS	-	-	-	-	14	17	46	28	1	13	10	0	1	7	10	14	1	16	19	26
				344.74	469.91	26.64	PASS	-	-	-	-	14	17	46	28	1	13	10	0	1	7	10	14	1	16	19	26
U 125X65X6/8X12.00M	SS400	84	AB0706	316.16	452.71	24.41	PASS	-	-	-	-	13	18	46	29	1	17	18	0	1	7	10	15	1	17	19	26
				337.03	471.17	27.54	PASS	-	-	-	-	13	18	46	29	1	17	18	0	1	7	10	15	1	17	19	26
U 125X65X6/8X12.00M	SS400	132	AB0707	334.29	471.22	29.17	PASS	-	-	-	-	15	18	46	28	0	14	12	0	1	9	10	14	1	16	20	26
				336.34	472.39	26.48	PASS	-	-	-	-	15	18	46	28	0	14	12	0	1	9	10	14	1	16	20	26
U 125X65X6/8X12.00M	SS400	119	AB0708	331.53	466.38	25.03	PASS	-	-	-	-	13	18	48	27	0	16	18	0	1	7	12	17	1	18	19	26
				333.49	461.60	27.37	PASS	-	-	-	-	13	18	48	27	0	16	18	0	1	7	12	17	1	18	19	26
U 125X65X6/8X12.00M	SS400	80	AB0709	326.67	467.40	29.66	PASS	-	-	-	-	13	17	48	26	0	13	14	0	1	9	10	15	1	17	19	26
				333.24	463.07	29.61	PASS	-	-	-	-	13	17	48	26	0	13	14	0	1	9	10	15	1	17	19	26
U 125X65X6/8X6.00M	SS400	2	AB0702	337.74	473.76	25.21	PASS	-	-	-	-	13	18	49	28	2	15	10	0	1	7	9	17	1	20	19	26
				339.10	467.51	24.90	PASS	-	-	-	-	13	18	49	28	2	15	10	0	1	7	9	17	1	20	19	26
U 125X65X6/8X6.00M	SS400	14	AB0703	337.25	468.60	29.11	PASS	-	-	-	-	14	17	46	28	1	16	15	0	1	6	9	16	1	18	19	26
				341.36	470.29	26.76	PASS	-	-	-	-	14	17	46	28	1	16	15	0	1	6	9	16	1	18	19	26
U 125X65X6/8X6.00M	SS400	82	AB0704	335.21	464.59	28.20	PASS	-	-	-	-	14	18	47	30	1	15	14	0	1	8	10	15	1	18	20	26
				337.14	466.52	29.26	PASS	-	-	-	-	14	18	47	30	1	15	14	0	1	8	10	15	1	18	20	26

Checked By : <u>Finished Goods Checking Operator</u> Remark : CE = Carbon equivalent Pcm = Chemical composition sensitivity of welding crack	We hereby certify that the material described herein has been tested and inspected in accordance with the requirements of the above specification. Manufactured by Siam Yamato Steel Co.,Ltd.	 Quality Promotion Department Manager
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PT Krakatau Wajatama

QSC 01578 EMS 00187

MILL CERTIFICATE

Konsumen

No. Delivery Order : P-210100002012
 Jenis Barang : BAJA PROFIL WFL
 Spesifikasi : SNI 07-7178-2006 Bjp 41
 No. Kontrak : P-210100002000

No. MC : BP21040242W
 Tanggal : 17-04-2021
 Pengirim : PT. KRAKATAU WAJATAMA

No Surat Pengantar : 202104000229

Di distribusikan oleh PT KRAKATAU WAJATAMA OSAKA STEEL MARKETING

NO	U K U R A N (mm)	PANJANG (mm)	NO LEBURAN	NO SAMPEL	KOMPOSISI KIMIA (%)									PENGUJIAN TARIK				PENGUJIAN LENGKUNG		
					C	Mn	Si	P	S	Cu	Ni	Cr	V	KUAT LULUH (MPa)	KUAT TARIK (MPa)	REGANGAN (%)	RASIO TS/YS	DIAMETER PELENGKUNG	SUDUT LENGKUNG	GRADE
1	200x100x5.5	12.000	19955230	S21D0163	0.220	0.650	0.280	0.031	0.035	0.010	0.020	0.010	--	305.78	446.36	22.00	1.46	1.5xt	180 ⁰	Bjp 41
2	200x100x5.5	12.000	19955260	S21C0195	0.200	0.590	0.260	0.028	0.029	0.010	0.020	0.010	--	355.12	473.04	20.00	1.33	1.5xt	180 ⁰	Bjp 41

Catatan : Foto Copy Mill Certificate Tidak Berlaku !!!!

Cilegon, 17 April 2021

Rincian No. Bundel untuk No. MC BP21040242W :

No	No. Sampel	No. Bundel
1	S21C0195	S21D011372 S21D011373
2	S21D0163	S21D011363B

AGIS PRIYATNA

KEPALA PENGENDALIAN KUALITAS