Calmochi-101



Paddy



Brown



Milled



Calmochi-101 is a very early maturing waxy (also known as sweet, mochi, or glutinous) short grain released in 1985. It has excellent resistance to cool temperature sterility. Its pedigree is: Tatsumi mochi//M7//S6.

U.S. Market Type: Glutinous Short Grain **Quality Type:** Glutinous Short Grain

Year 1 Year 2 Year 3 Average Grain Dimensions (Paddy) 3.47 7.91 7.55 7.62 Average Length (mm) 3.47 3.50 3.46 3.48 L/W Ratio 2.1 2.3 2.2 2.2 Grain Dimensions (Brown) Average Length (mm) 5.22 5.44 5.26 5.31 Average Width (mm) 2.94 2.88 2.87 2.90 L/W Ratio 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2		•			
Average Length (mm) Average Width (mm) 3.47 3.50 3.46 3.48 L/W Ratio 2.1 2.3 2.2 2.2 Grain Dimensions (Brown) Average Length (mm) 5.22 5.44 5.26 5.31 Average Width (mm) 2.94 2.88 2.87 2.90 L/W Ratio 1.8 1.9 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown 7.3 7.5 5.7 6.8 Milled 6.3 6.3 6.3 6.1 6.1 Rapid Visco Analyzer (AACC Method) Peak Hot Paste 54 60 55 66 70 Setback Cool Paste Setback Consistency 52 17 16 28 Breakdown 55 92 81 76		Year 1	Year 2	Year 3	Average
Average Width (mm) L/W Ratio 2.1 2.3 2.2 2.2 Grain Dimensions (Brown) Average Length (mm) Average Width (mm) L/W Ratio 1.8 1.9 1.8 1.9 1.8 1.8 1.00 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) Average Length (mm) Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown Milled Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste Setback Consistency Breakdown 55 92 81 76	Grain Dimensions (Paddy)				
L/W Ratio 2.1 2.3 2.2 2.2 Grain Dimensions (Brown) Average Length (mm) 5.22 5.44 5.26 5.31 Average Width (mm) 2.94 2.88 2.87 2.90 L/W Ratio 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) Brown 7.3 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) Peak 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Average Length (mm)	7.41	7.91	7.55	7.62
Grain Dimensions (Brown) 5.22 5.44 5.26 5.31 Average Length (mm) 2.94 2.88 2.87 2.90 L/W Ratio 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) 8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 7 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 7 7 1.5 1.7 1.8 1.8 Peak	Average Width (mm)	3.47	3.50	3.46	3.48
Average Length (mm) Average Width (mm) 2.94 2.88 2.87 2.90 L/W Ratio 1.8 1.9 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown 7.3 7.5 5.7 6.8 Milled 6.3 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) Peak 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	L/W Ratio	2.1	2.3	2.2	2.2
Average Width (mm) L/W Ratio 1.8 1.9 1.8 1.9 1.8 1.00 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown 7.3 7.5 6.1 Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency Breakdown 55 92 81 76	Grain Dimensions (Brown)				
L/W Ratio 1.8 1.9 1.8 1.8 1000 Grain Weight (g) 23.1 23.7 21.3 22.7 21.3 21.3 22.7 21.3 21.3 22.7 21.3 21.3 21.3 21.3 21.3 21.3 21.3 21.3	Average Length (mm)	5.22	5.44	5.26	5.31
1000 Grain Weight (g) 23.1 23.7 21.3 22.7 Grain Dimensions (Milled) Average Length (mm) Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown Milled 6.3 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Average Width (mm)	2.94	2.88	2.87	2.90
Grain Dimensions (Milled) Average Length (mm) 4.89 4.97 4.83 4.90 Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) 8 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 9 76 66 70 55 Cool Paste 54 60 50 55 55 Cool Paste 69 76 66 70 55 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	L/W Ratio	1.8	1.9	1.8	1.8
Average Length (mm) Average Width (mm) 2.90 2.78 2.75 2.81 L/W Ratio 1.7 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown Milled Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste Consistency Breakdown 4.89 4.97 4.83 4.90 4.83 4.90 4.80 4.97 4.83 4.90 4.83 4.90 4.81 4.90 4.83 4.90 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.80 4.81 4.81 4.90 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.90 4.83 4.90 4.81 4.81 4.81 4.81 4.90 4.83 4.90 4.81 4.81 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.81 4.90 4.81 4.81 4.81 4.81 4.81 4.90 6.6 6.1 6.6 6.1 6.1 6.2 8.1 4.1 4.83 4.90 6.6 6.1 6.1 6.2 8.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	1000 Grain Weight (g)	23.1	23.7	21.3	22.7
Average Width (mm) L/W Ratio 1.7 1.8 1.8 Physicochemical Tests Apparent Amylose (%) Alkali Spreading Value (1.7% KOH) Brown Milled Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste Consistency Breakdown 55 92 81 1.8 2.81 3.8 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0	Grain Dimensions (Milled)				
L/W Ratio 1.7 1.8 1.8 1.8 Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) 8 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 8 5.1 6.1 6.1 Peak 145 152 131 143 143 140 145 152 131 143 143 140 145 152 131 143 143 143 144 145 152 131 143 143 143 145 152 131 143 143 145 152 131 143 143 145 152	Average Length (mm)	4.89	4.97	4.83	4.90
Physicochemical Tests Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) 7.3 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 7.2 1.52 1.31 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Average Width (mm)	2.90	2.78	2.75	2.81
Apparent Amylose (%) 0.0 0.0 0.3 0.1 Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 Protein (%) 7.3 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 7.2 1.2 1.31 1.43 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	L/W Ratio	1.7	1.8	1.8	1.8
Alkali Spreading Value (1.7% KOH) Brown Milled Rapid Visco Analyzer (AACC Method) Peak Hot Paste Cool Paste Setback Consistency Breakdown Alkali Spreading Value (1.7% KOH) 6.6 6.1 6.0 6.2 6.2 6.3 6.8 5.7 6.8 6.1 6.8 5.7 6.8 6.1 6.0 6.2 6.2 6.2 6.3 6.4 6.5 6.5 6.5 6.5 6.6 6.7 6.8 6.8 6.1 6.0 6.2 6.2 6.8 6.1 6.0 6.2 6.2 6.3 6.8 6.1 6.0 6.2 6.2 6.3 6.4 6.5 6.5 6.5 6.5 6.6 6.7 6.8 6.7 6.8 6.8 6.1 6.8 6.8 6.1 6.0 6.2 6.2 6.8 6.1 6.0 6.2 6.2 6.3 6.8 6.1 6.0 6.2 6.2 6.3 6.8 6.1 6.0 6.2 6.2 6.3 6.3 6.4 6.5 6.5 6.5 6.5 6.5 6.6 6.7 6.8 6.8 6.8 6.1 6.0 6.2 6.2 6.8 6.1 6.0 6.2 6.2 6.8 6.1 6.0 6.2 6.2 6.8 6.8 6.1 6.0 6.2 6.2 6.8 6.8 6.1 6.0 6.2 6.8 6.8 6.1 6.0 6.2 6.2 6.8 6.8 6.1 6.0 6.2 6.8 6.8 6.1 6.8 6.8 6.8 6.1 6.8 6.8	Physicochemical Tests				
Protein (%) 7.3 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 7.5 1.52 1.31 1.43 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Apparent Amylose (%)	0.0	0.0	0.3	0.1
Brown 7.3 7.5 5.7 6.8 Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Alkali Spreading Value (1.7% KOH)	6.6	6.1	6.0	6.2
Milled 6.3 6.8 5.1 6.1 Rapid Visco Analyzer (AACC Method) 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Protein (%)				
Rapid Visco Analyzer (AACC Method) Peak 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Brown	7.3	7.5	5.7	6.8
Peak 145 152 131 143 Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Milled	6.3	6.8	5.1	6.1
Hot Paste 54 60 50 55 Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Rapid Visco Analyzer (AACC Method)				
Cool Paste 69 76 66 70 Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Peak	145	152	131	143
Setback -75 -26 -65 -55 Consistency 52 17 16 28 Breakdown 55 92 81 76	Hot Paste	54	60	50	55
Consistency 52 17 16 28 Breakdown 55 92 81 76	Cool Paste	69	76	66	70
Breakdown 55 92 81 76	Setback	-75	-26	-65	-55
	Consistency	52	17	16	28
Pasting Temperature (°C) 68 69 69	Breakdown	55	92	81	76
	Pasting Temperature (°C)	68	69	69	69

^{*} Physicochemical testing provided by: the Rice Experiment Station and USDA-ARS Rice End-Use Quality Research Laboratory. Samples were grown and processed at the Rice Experiment Station. Research supported in-part by a grant from the California Rice Commission.