

Application Data: Food Industry

Computrac[®] MAX[®] 1000/2000XL Moisture/Solids Analyzers

Bakery

MATERIAL	RESULT	COMPUTRAC [®]	STATISTIC	OVEN/KF
Brown Sugar	% Moisture	2.211	Mean	2.208
		0.038	Standard Deviation	0.112
		14-18 minutes	Test Time	5 hours
Chocolate Chips	% Moisture	0.475	Mean	0.447
		0.022	Standard Deviation	0.024
		5-6 minutes	Test Time	5 hours
Corn Flour	% Moisture	9.11	Mean	9.24
		0.087	Standard Deviation	0.052
		6-7 minutes	Test Time	1 hour
Corn Starch	% Moisture	5.648	Mean	5.612
		0.025	Standard Deviation	0.024
		4-5 minutes	Test Time	4 hours
Flour	% Moisture	12.749	Mean	12.753
		0.022	Standard Deviation	0.044
		6 minutes	Test Time	1 hour
Granulated Sugar	% Moisture	0.024	Mean	0.025
		0.002	Standard Deviation	0.007
Salt	% Moisture	0.029	Mean	0.030
		0.003	Standard Deviation	0.003
		3 minutes	Test Time	2 hours
Tortillas, Flavored	% Moisture	29.918	Mean	30.682
		0.372	Standard Deviation	0.271
		5-6 minutes	Test Time	14 hours

Soy Products

MATERIAL	RESULT	COMPUTRAC [®]	STATISTIC	OVEN
Soy, Pellets	% Moisture	11.724	Mean	11.669
		0.120	Standard Deviation	0.170
		7-8 minutes	Test Time	4 hours
Soy, Raw	% Moisture	11.355	Mean	11.318
		0.056	Standard Deviation	0.008
		7 minutes	Test Time	3 hours
Soybean Hulls	% Moisture	10.309	Mean	10.234
		0.038	Standard Deviation	0.122
		5-6 minutes	Test Time	6 hours

Soybeans	% Moisture	6.377	Mean	6.363
		0.094	Standard Deviation	0.048
		5-6 minutes	Test Time	2 hours
Soybeans, Milled	% Moisture	9.500	Mean	9.489
		0.060	Standard Deviation	0.077
		7-8 minutes	Test Time	5 hours

Dairy

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Buttermilk	% Solids	8.42	Mean	8.41
		0.136	Standard Deviation	0.032
		8-10 minutes	Test Time	3 hours
Buttermilk Powder	% Moisture	4.37	Mean	4.37
		0.025	Standard Deviation	0.035
		4-5 minutes	Test Time	16 hours
Cottage Cheese	% Solids	18.820	Mean	18.760
		0.071	Standard Deviation	0.021
		7-8 minutes	Test Time	4 hours
Cream Cheese	% Moisture	55.255	Mean	55.280
		0.203	Standard Deviation	0.008
		6-7 minutes	Test Time	5 hours
Neufchatel Cheese	% Moisture	61.929	Mean	61.678
		0.417	Standard Deviation	0.384
		6-7 minutes	Test Time	5 hours
Powdered Cheese	% Moisture	3.23	Mean	3.34
		0.009	Standard Deviation	0.095
		7-9 minutes	Test Time	16 hours
Ricotta Cheese	% Moisture	75.194	Mean	75.334
		0.153	Standard Deviation	0.273
		8-9 minutes	Test Time	6 hours
Salad Dressing, Mayonnaise	% Moisture	11.477	Mean	11.422
		0.029	Standard Deviation	0.089
		3 minutes	Test Time	2 hours
Sour Cream	% Solids	29.35	Mean	29.38
		0.102	Standard Deviation	0.110
		6-7 minutes	Test Time	3 hours
Whey Powder	% Moisture	3.351	Mean	3.309
		0.055	Standard Deviation	0.022
		4 minutes	Test Time	4 hours
Whey Powder, Sweet	% Moisture	3.76	Mean	3.79
		0.092	Standard Deviation	0.113
		8-9 minutes	Test Time	16 hours

Whipping Cream	% Moisture	43.40	Mean	43.44
		0.042	Standard Deviation	0.075
		4-5 minutes	Test Time	3 hours
Yogurt, Chocolate	% Solids	30.365	Mean	30.388
		0.101	Standard Deviation	0.038
		7-9minutes	Test Time	2 hours
Yogurt, Vanilla	% Solids	23.898	Mean	23.796
		0.026	Standard Deviation	0.062
		10 minutes	Test Time	4 hours

Grains

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Barley	% Moisture	11.336	Mean	11.194
		0.220	Standard Deviation	0.101
		6-8 minutes	Test Time	1 hour
Barley, Flaked	% Moisture	7.39	Mean	7.34
		0.062	Standard Deviation	0.027
		4 minutes	Test Time	3 hours
Cereal	% Moisture	4.042	Mean	4.076
		0.025	Standard Deviation	0.032
		3-4 minutes	Test Time	1 hour
Cream of Wheat	% Moisture	7.749	Mean	7.780
		0.114	Standard Deviation	0.011
		4-5 minutes	Test Time	16 hours
Oats	% Moisture	10.274	Mean	10.324
		0.042	Standard Deviation	0.146
		6-7 minutes	Test Time	5 hours
Pasta, Dry	% Moisture	11.181	Mean	11.400
		0.113	Standard Deviation	0.103
		6 minutes	Test Time	1 hour
Pasta, Wet	% Moisture	21.944	Mean	22.044
		0.139	Standard Deviation	0.113
		6 minutes	Test Time	1 hour

Nuts

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Almonds, Natural	% Moisture	4.41	Mean	4.31
		0.114	Standard Deviation	0.139
		3-4 minutes	Test Time	16 hours
Peanuts, Raw	% Moisture	6.92	Mean	6.82
		0.148	Standard Deviation	0.040
		3-5 minutes	Test Time	5 hours

Walnuts, Glazed	% Moisture	1.272	Mean	1.267
		0.050	Standard Deviation	0.089
		8-9 minutes	Test Time	6 hours

Dried Fruits

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Apples, Dried	% Moisture	3.28	Mean	3.27
		0.064	Standard Deviation	0.019
		5 minutes	Test Time	6 hours
Bananas, Dried	% Moisture	4.18	Mean	4.14
		0.107	Standard Deviation	0.021
		4 minutes	Test Time	6 hours
Blueberries, Dried	% Moisture	7.824	Mean	7.457
		0.167	Standard Deviation	0.148
		10-11 minutes	Test Time	6 hours
Cherries, Dried	% Moisture	12.609	Mean	12.631
		0.299	Standard Deviation	0.016
		15-18 minutes	Test Time	6 hours
Cranberries	% Moisture	12.440	Mean	12.416
		0.269	Standard Deviation	0.050
		12-13 minutes	Test Time	6 hours
Oranges, Dried	% Moisture	2.26	Mean	2.38
		0.090	Standard Deviation	0.115
		3 minutes	Test Time	6 hours
Pineapple, Dried	% Moisture	6.77	Mean	6.84
		0.362	Standard Deviation	0.176
		7-8 minutes	Test Time	6 hours

Various

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Coffee, Green	% Moisture	7.283	Mean	7.294
		0.063	Standard Deviation	0.068
		13 minutes	Test Time	16 hours
Coffee, Ground	% Moisture	2.915	Mean	2.937
		0.037	Standard Deviation	0.008
		3-4 minutes	Test Time	16 hours
Coffee, Whole Bean	% Moisture	1.439	Mean	1.386
		0.039	Standard Deviation	0.022
		13 minutes	Test Time	16 hours
Dijon Mustard	% Moisture	72.870	Mean	72.803
		0.084	Standard Deviation	0.071
		3-5 minutes	Test Time	2 hours

Dog Biscuits	% Moisture	8.158	Mean	8.151
		0.065	Standard Deviation	0.013
		3-4 minutes	Test Time	2 hours
Dog Food, Moist	% Moisture	20.472	Mean	20.626
		0.218	Standard Deviation	0.284
		7-8 minutes	Test Time	24 hours

Meats

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Beef Flavoring	% Moisture	2.67	Mean	2.69
		0.055	Standard Deviation	0.026
		4 minutes	Test Time	16 hours
Beef Jerky	% Moisture	32.521	Mean	32.169
		0.177	Standard Deviation	0.771
		11-14 minutes	Test Time	16 hours
Beef Liver	% Moisture	2.45	Mean	2.45
		0.076	Standard Deviation	0.027
Dried Chicken	% Moisture	5.819	Mean	5.811
		0.017	Standard Deviation	0.047
		4 minutes	Test Time	2 hours
Pepperoni	% Moisture	28.425	Mean	28.497
		0.305	Standard Deviation	0.326
		6-7 minutes	Test Time	18 hours

Snacks

MATERIAL	RESULT	COMPUTRAC®	STATISTIC	OVEN
Cheese Puffs	% Moisture	1.88	Mean	1.85
		0.036	Standard Deviation	0.006
		3-4 minutes	Test Time	1 hour
Chips, Baked	% Moisture	37.050	Mean	37.289
		0.087	Standard Deviation	0.103
		9 minutes	Test Time	16 hours
Chips, White Tortilla	% Moisture	1.30	Mean	1.30
		0.038	Standard Deviation	0.020
		3 minutes	Test Time	1 hour
Chocolate Covered Raisins	% Moisture	6.68	Mean	6.61
		0.268	Standard Deviation	0.575
		19-20 minutes	Test Time	5 hours
Cookies	% Moisture	3.21	Mean	3.22
		0.33	Standard Deviation	0.002
		7 minutes	Test Time	18 hours

Crackers	% Moisture	4.112	Mean	4.076
		0.044	Standard Deviation	0.030
		4 minutes	Test Time	5 hours
Popcorn, Whole	% Moisture	14.08	Mean	14.04
		0.125	Standard Deviation	0.066
		7-10 minutes	Test Time	72 hours
Potato Chips, Dip	% Moisture	1.35	Mean	1.29
		0.026	Standard Deviation	0.023
		3-4 minutes	Test Time	4 hours



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Exclusive Manufacturer of Computrac® Moisture Analyzers and Jerome® Toxic Gas Analyzers