

Application Data: Chemical Industry

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

MATERIAL	RESULT	COMPUTRAC [®]	STATISTIC	OVEN/KF
Alkali Metal Salts	% Moisture	4.205	Mean	4.155
		0.103	Standard Deviation	0.046
		6-7 minutes	Test Time	6 hours
Aluminum Oxide	% Moisture	0.256	Mean	0.257
		0.008	Standard Deviation	0.005
		3 minutes	Test Time	3 hours
Aluminum Silicate	% Moisture	0.066	Mean	0.064
		0.002	Standard Deviation	0.004
		3 minutes	Test Time	1 hour
Barium Fluoride	% Moisture	0.193	Mean	0.191
		0.007	Standard Deviation	0.005
		2 minutes	Test Time	1 hour
Calcium Carbonate	% Moisture	0.044	Mean	0.047
		0.002	Standard Deviation	0.001
Carbon Black	% Moisture	12.69	Mean	12.575
		0.024	Standard Deviation	0.009
		5 minutes	Test Time	2 hours
Carbon Black	% Moisture	0.358	Mean	0.360
		0.017	Standard Deviation	0.003
		2 minutes	Test Time	1 hour
Carbon Fiber	% Moisture	0.349	Mean	0.344
		0.011	Standard Deviation	0.041
Dibutyl Tin Oxide	% Moisture	0.585	Mean	0.568
		0.016	Standard Deviation	0.128
		4 minutes	Test Time	2 hours
Dye, Blue	% Moisture	6.729	Mean	6.690
		0.032	Standard Deviation	0.058
		6 minutes	Test Time	1 hour
Hydrated Lime	% Moisture	2.340	Mean	2.400
		0.079	Standard Deviation	0.122
		3 minutes	Test Time	2 hours
Hydrophilic Silica	% Moisture	0.841	Mean	0.833
		0.024	Standard Deviation	0.055
		2 minutes	Test Time	2 hours
Iron Phosphate Hydrate	% Moisture	18.348	Mean	18.359
		0.327	Standard Deviation	0.238

Limestone	% Moisture	2.367 0.236 3-4 minutes	Mean Standard Deviation Test Time	2.314 0.275 2 hours
Magnesium Hydroxide	% Moisture	7.546 0.105 4-5 minutes	Mean Standard Deviation Test Time	7.534 0.075 1 hour
Magnesium Silicate	% Moisture	0.130 0.013 5-7 minutes	Mean Standard Deviation Test Time	0.130 0.010 1 hour
Magnetic Powder	% Moisture	0.351 0.004 2-3 minutes	Mean Standard Deviation Test Time	0.291 0.009 16 hours
Pd Catalyst – Dry	% Moisture	0.330 0.035 2 minutes	Mean Standard Deviation Test Time	0.325 0.042 15 hours
Sodium Aluminate, Dried	% Moisture	5.550 0.134 5 minutes	Mean Standard Deviation Test Time	5.519 0.101 16 hours
Sodium Aluminate, Dried	% Moisture	2.380 0.075 4-5 minutes	Mean Standard Deviation Test Time	2.474 0.034 16 hours
Sodium Chlorate	% Moisture	0.026 0.001 4 minutes	Mean Standard Deviation Test Time	0.029 0.003 2 hours
Sodium Nitrate	% Moisture	0.065 0.006 2-3 minutes	Mean Standard Deviation Test Time	0.065 0.004 6 hours
Talc	% Moisture	0.339 0.013 2-3 minutes	Mean Standard Deviation Test Time	0.345 0.058 3 hours
Titanium Dioxide	% Moisture	0.986 0.016 3 minutes	Mean Standard Deviation Test Time	0.976 0.037 15 minutes
Tungsten Powder	% Moisture	0.043 0.002 3 minutes	Mean Standard Deviation Test Time	0.04 0.001 5 – 7 minutes
Zinc Borate Hydrate	% Moisture	0.507 0.009 2-3 minutes	Mean Standard Deviation Test Time	0.506 0.020 2 hours
Catalyst	% Solids	52.999 0.301 10-11 minutes	Mean Standard Deviation Test Time	53.186 0.317 1 hour

Flame Retardant	% Solids	0.220 0.057 4-6 minutes	Mean Standard Deviation Test Time	0.250 0.011 2 hours
Polybutadiene	% Solids	99.170 0.103 3 minutes	Mean Standard Deviation Test Time	99.195 0.015 1 hour
Quaternary Amine	% Solids	83.880 0.594 3-6 minutes	Mean Standard Deviation Test Time	83.777 0.557 2 hours
Soldering Flux, Alcohol Based	% Solids	13.851 0.114 7-8 minutes	Mean Standard Deviation Test Time	13.879 0.043 2 hours
Soldering Flux, Water Based	% Solids	1.409 0.044 8-10 minutes	Mean Standard Deviation Test Time	1.368 0.059 2 hours
Solid Waste Sludge	% Solids	18.806 0.125 9-10 minutes	Mean Standard Deviation Test Time	18.556 0.276 2 hours
Surfactant	% Solids	50.610 0.236 5-6 minutes	Mean Standard Deviation Test Time	50.516 0.233 2 hours
Titanium Dioxide Slurry	% Solids	76.699 0.061 5-6 minutes	Mean Standard Deviation Test Time	76.705 0.037 2 hours
Wastewater, Digester Filtrate	% Solids	1.955 0.024 5 minutes	Mean Standard Deviation Test Time	1.958 0.153 2 hours



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