

Application Data: Gypsum Industry

Computrac[®] MAX[®] 5000 Moisture/Solids/Ash Analyzer

MATERIAL	RESULT	COMPUTRAC [®]	STATISTIC	OVEN / MUFFLE
Synthetic Combined FGD Gypsum	% Moisture	20.6861	Mean	20.6453 %
		0.008	Standard Deviation	0.008
		7-8 minutes	Test Times	Dry to Constant Weight
Free Gypsum Rock	% Moisture	0.0233	Mean	0.0212 %
		0.002	Standard Deviation	0.006
		2 minutes	Test Times	Dry to Constant Weight
Synthetic Gypsum	% Ash	99.8853	Mean	99.8199 %
		0.007	Standard Deviation	0.033
		13-16 minutes	Test Times	Dry to Constant Weight
Gypsum	% Ash	99.3509	Mean	99.3787 %
		0.159	Standard Deviation	0.014
		23-75 minutes	Test Times	Dry to Constant Weight

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Free and Bound Moisture Determination for Gypsum

The Computrac[®] MAX[®] 5000 Programmable High Performance Moisture Analyzer employs an automated, two-step process, which allows the user to identify both free and bound moisture in one easy step.

The MAX[®] 5000 links two memory start programs together, at the user's discretion. The first step allows for free moisture to be removed from the sample at a low temperature; the second step re-weighs the sample and removes the bound moisture at a higher temperature. The user can program in a purity factor to allow the instrument to calculate percent purity for gypsum samples.

Typical test times range from 3-4 minutes for the free process and up to 5-10 minutes for the bound process, depending upon the type of gypsum being tested. The unique features of the instrument allow both free and bound moisture results to be viewed on the instrument's LCD panel.

In addition to this special program, the flexibility of the MAX[®] 5000 enables the operator to use the standard features of the programmable high performance moisture analyzer for other types of moisture analyses.



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