

APPLICATION DATA – GYPSUM

COMPUTRAC® MAX® 5000

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



ARIZONA INSTRUMENT LLC

1912 W. 4th Street, Tempe, AZ 85281 • (602) 470-1414 • (800) 528-7411 • www.azic.com

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

COMPUTRAC[®] MAX[®] 5000

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.



ARIZONA INSTRUMENT LLC

1912 W. 4th Street, Tempe, AZ 85281 • (602) 470-1414 • (800) 528-7411 • www.azic.com

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