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PerkinElmer Launches TGA 8000™ Thermogravimetric Analyzer

Provides Researchers Advanced Materials Characterization Capabilities

WHAT:

PerkinElmer, Inc., a global leader focused on improving the health and safety of people and the environment, today announced the launch of its new TGA 8000™ thermogravimetric analyzer. Laboratory researchers and scientists employ this type of analysis for materials characterization in polymers, pharmaceuticals, chemicals and food.

HOW IT WORKS:

Thermogravimetric Analysis (TGA) is a technique which measures the change in mass of a sample as it is heated, cooled or held at a constant temperature in a controlled atmosphere. TGA can be used for determining decomposition and thermal stability, identifying and quantifying components, measuring and identifying moisture/solvent evolution, and evaluating and modeling reaction kinetics.

The TGA 8000 analyzer is controlled by PerkinElmer's proprietary Pyris™ software platform, which provides intuitive, user-friendly options for high-sensitivity analysis of thermal data. This instrument also can be easily hyphenated and coupled with FT-IR, MS and GC/MS systems to enable a better understanding of evolved gases. It also features local instrument control and run status monitoring via iPhone® or iPad® devices so that users can remotely obtain information on analyses as they progress.

APPLICATIONS:

The TGA 8000 analyzer can be used for a wide range of applications such as identifying harmful chemicals in soil and identifying and quantitating components in polymers. Other examples of applications include determining leachables that may contaminate a product's packaging, identifying phthalates in PVC samples, and confirming if products have the exact materials that are promised to consumers.

MORE:

"With more than 50 years of industry experience in producing thermal analysis tools, our team of experts has a comprehensive understanding of our customers' thermal analysis needs – from researching new materials to ensuring the quality of their products," said Jon DiVincenzo, President, Environmental Health, PerkinElmer. "Our new instrument helps scientists to leverage TGA in order to navigate the increased demands of materials characterization, maintain control over their sample environment, and recognize greater lab efficiencies as they seek to improve environmental health and safety."
For more details on the TGA 8000 analyzer, along with PerkinElmer's portfolio of thermal analysis technologies, please visit: www.perkinelmer.com/TGA8000

ABOUT PERKINELMER:

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately $2.2 billion in 2014, has about 7,700 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at www.perkinelmer.com.

Media Contact:
Leanne High
lhigh@apcoworldwide.com

919-867-2812