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Thermo Fisher Scientific Offers Comprehensive Rheology Solutions

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Broad Accessory Portfolio to Characterize Suspensions and Emulsions

Karlsruhe, Germany, (February 19th, 2009) – Thermo Fisher Scientific Inc., the world leader in serving science, today announced the availability of comprehensive rheology solutions for the cosmetic industry to fully characterize suspensions and emulsions. Based on reliable measuring data, parameters like shelf life, haptic and sensoric properties can be optimized. In addition, cosmetic processability and production processes can also be enhanced.

The company's high-end rheometer platform, Thermo Scientific HAAKE MARS, enables customers to examine the connection between a sample's microscopic structures and rheological properties to analyze stability of multiphase systems or particle size distribution. Visible structures in solutions, suspensions, emulsions, gels and foams can be investigated for rheological phenomena including shear thinning, dilatancy, thixotropy, emulsification, coalescence, aggregation, gelification, dissolution, and flocculation. The rheological and optical data can be monitored during the measurement as well as saved and exported in different formats for further analysis



Thermo Scientific HAAKE MARS rheometer with RheoScope module

Focused on the specific needs for quality control and optimizing production processes, Thermo Fisher Scientific as one of the pioneers in rheology, offers a broad accessory range for the cosmetic industry. For example by using a universal holder for individual containers like glass jars, cans, beakers or cups users no longer need to spend time pouring samples into a measuring cup and as cleaning the cup afterwards. An additional benefit is no destruction to the testing material's structure. Continuous measurements and analysis of small quantities can be directly conducted in microtiter plates.

Efficient and user-friendly measuring routines are guaranteed by the measuring and evaluation software for viscometers and rheometers, the Thermo Scientific HAAKE RheoWin. The software is continuously adapted to customer needs and can be customized to offer convenient operation with default settings for beginners and full access to all relevant measuring parameters for advanced rheologists. Optional software modules are available that e.g. ensure compliance with pharma-specific requirements. Additional information is provided at www.thermo.com/rheology.



Universal holder for individual containers

Thermo Fisher Scientific successfully supports a wide range of industries with its comprehensive Thermo Scientific material characterization solutions. These products analyze and measure viscosity, elasticity, processability and temperature-related mechanical changes of plastics, food, cosmetics, pharmaceuticals and inks, coatings, or petrochemical products. For more information, please visit www.thermo.com/mc.

Thermo Scientific is part of Thermo Fisher Scientific, the world leader in serving science.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With annual revenues of \$10.5 billion, we have more than 34,000 employees and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit www.thermofisher.com

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