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FOR IMMEDIATE RELEASE

April 9th, 2009

ACHEMA 2009: Visit SETARAM at Booth J24 – K25 - Hall 6.3

Setaram has long used Achema to launch new and exciting products into the Materials Characterisation field and this year we will be introducing a number of new product lines and we invite you to visit us at Booth No 6.3 J24-K25 to view these exciting developments:

ACL Instruments: Chemiluminescence systems for the analysis of oxidative reactions

Setaram (Caluire, France) and ACL Instruments (Kerzers, Switzerland) are pleased to announce a new distribution agreement for ACL's range of **Chemiluminescence** analysis systems designed for the study of oxidative effects for aging, stability and high precision calculation of shelf life.

The ACL Instruments system allows for the use of minimal amounts of sample (≥ 0.1 mg) and the highest sensitivity and that results are unaltered by side reactions. The application potential of Chemiluminescence is enormous – this method is particularly suitable to characterize oxidative reactions, thermal decay, stability, efficiency assessment of stabilizers (qualitative and quantitative), determination of activation parameters and the prognosis of life expectancy, cross linking etc. The extraordinary sensitivity of the CL method allows examining oxidation reactions at moderate temperatures. This decreases the probability to observe secondary phase transition (softening, melting, changes in modification etc.) that commonly distort results obtained by conventional thermo-analytical method.

The ACL Instruments equipment is designed based on a modular construction concept. Central is a basic instrument configuration, allowing the actual Chemiluminescence-based analysis. Additional needs of clients can easily be addressed by upgrading anytime with innovative hardware modules (e.g. humidifier, spectrometer, photooxidation).

The Chemiluminescence technology is a valuable asset to analyze, score or predict oxidative and anti-oxidative effects, freshness or aging characteristics of technical goods, food, pharmaceuticals, cosmetics etc. It allows the characterization necessary for prognosis of stability, quality and safety, and finds applications in R&D, quality assurance and academia.

By combining the system with Advanced Kinetics (AKTS) it is possible to have comprehensive life time predictions and decomposition predictions in any thermal environment, controlled or ambient.

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About Setaram Instrumentation

For sixty years, **Setaram Instrumentation (Caluire, France)** has provided dedicated solutions in thermal analysis, calorimetry, gas sorption and high pressure mass spectroscopy, domains of increasing importance for scientists in academic, pharmaceutical, biotechnology, food, oil and gas, nuclear, process safety, energy and advanced materials. Setaram Instrumentation systems generate unique data from nano to macro thermal events, from very low temperature to 2400°C, and from high vacuum to 1000 bars. For research, development, manufacture and wear testing, these data give insight into material functionality and play a key role in the critical decision-making required for the efficient development and production of new materials.

About ACL Instruments

ACL Instruments is a spin-off company of the Bern University of Applied Sciences. ACL provides innovative solutions for the characterization of long-term oxidative reactions in solids and liquids. Our extremely sensitive analysis instrumentations and the individually tailored custom services are full of possibilities for industrial applications, such as stability prediction, quality assurance, R&D, safety and warranty. As experts, we develop our existing know-how into viable innovations. To maintain the highest quality, we pledge ourselves to Switzerland – this is where we provide our added value.

**SETARAM Instrumentation**

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