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New Diffuse Reflectance Probe Facilitates Large-scale Biomass Analysis by Near-IR (NIR) spectroscopy

TUSTIN, Calif., November 13, 2009 – Axiom Analytical, Inc. has announced its fiber-optic coupled FDR-1835 Diffuse Reflectance Probe. The new probe has been specifically designed for harsh field use in the large-scale sampling of wood chips and other biomass materials. When coupled by means of fiber-optics to a suitable near-infrared spectrometer, it facilitates the measurement of moisture content and material composition prior to chemical processing. The probes extremely robust construction makes it suitable for mounting on a large robotic structure for forced insertion into piles of scrap material. The probe is approximately 75 mm in diameter and is available in lengths up to 3 meters.

The FDR-1835 joins Axiom's comprehensive line of diffuse reflectance probes for the near-IR and UV-Visible analysis in applications ranging from the measurement of chemical composition of emulsions and polymer slurries to pharmaceutical blending and drying. Probes are available for both contact measurement and non-contact measurement with sample offsets of up to 100 mm.

About Axiom Analytical, Inc

Axiom Analytical, Inc. was founded in 1988 by Dr. Mike Doyle and Norm Jennings, pioneers in the field of process FTIR spectroscopy. The Company's mission is to develop and market the robust sampling equipment, software, and integrated systems required to fully realize the potential of molecular spectroscopy for solving economically significant problems both in laboratory analysis and manufacturing processes. The Company's products are employed in diverse industries ranging from basic chemicals to pharmaceuticals, semiconductors, and polymer processing.

More information about Axiom Analytical Inc. can be found at <http://www.goaxiom.com/>.