



Sigma-Aldrich/Fluka Technical Seminars “Understanding Karl Fischer Titration”

Choose the location that is best for you.

February 28, 2012

The Courtyard Irvine Orange County
2701 Main Street
Irvine, CA 92614

March 1, 2012

San Diego Marriott La Jolla
4240 La Jolla Village Drive
La Jolla, CA 92037

Time: 9:00 am – 12:00 pm

Registration and Continental Breakfast – 8:30 am

The Karl Fischer titration is the most versatile and generally accepted analytical method for determining water content. It is independent of the sample's state of matter and is therefore suitable for the analysis of solids, liquids, and gases. Critical to the accurate determination of water content is that the sample be soluble in the solvent mixture, the working pH of the system is not affected by the sample, and side reactions are avoided.

This seminar addresses the development and principles behind Karl Fischer analysis, the differences between the volumetric and coulometric approaches to water determination, good lab practices and proper technique, modifications to improve solubility, maintaining proper pH control, and problematic functional groups and the specialty reagents that allow for their analysis. Use of various standards to verify that the system is functioning properly and the benefits of routine maintenance will also be discussed.

Questions are always welcome and will be encouraged throughout the seminar.

Speaker: Doug Clark -- Doug Clark began his career with Sigma Chemical Company in August 1988. Doug has been involved with technical service on HYDRANAL® reagents and Karl Fischer Titration since 1997 when Sigma-Aldrich Corporation acquired Riedel-de Haën. In 1998 Doug assumed sole responsibility for the daily operation of the HYDRANAL Technical Center. Doug has worked closely with our recognized worldwide experts in Karl Fischer Titration, such as, Mrs. Helga Hoffmann, Dr. Katrin Schöffski, and Mr. Thomas Wendt. Doug is based in St. Louis, Missouri with Sigma-Aldrich.

To register for any of these seminars, visit sigma-aldrich.com/analytical-seminars

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