

assa*international*[®] Inc.

The Expert Center
for Physical Characterization
of Pharmaceutical Solids



assa*international*[®] was established in 1999 with the goal to serve the pharmaceutical industry by providing outstanding educational and analytical support, as well as to assist in the protection of pharmaceutical Intellectual Property.



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Educational Services

assa® organizes international workshops and conferences on modern physical characterization for the pharmaceutical community. The best-known event is the annual **International Workshop on Physical Characterization of Pharmaceutical Solids (IWPCPS)**.



The first workshop of this kind was held in the USA in September 2000. Since then the workshop has been successfully held on a yearly basis alternating between the U.S. and Europe.

The IWPCPS combines teaching and information exchange on advanced solid-state characterization topics and techniques used in the pharmaceutical industry.

The workshop allows participants to advance in-depth understanding of state-of-the-art physical characterization of pharmaceutical solids, in a relaxed environment. The program is intended to benefit scientists and researchers in the areas of drug discovery, preformulation, formulation, stability testing, product development, product quality control and analytical services.

Workshop participants are exposed to a wide variety of analytical approaches of characterizing a solid. They will learn how these approaches can complement each other and may be utilized individually or in concert in the solution of real problems in pharmaceutical development and solid-state chemistry.

Participants will have the opportunity to extensively network with colleagues of different backgrounds.

The IWPCPS also provides a commercial exhibit to inform about state of the art analytical systems, equipment, software, and accessories pertinent to pharmaceutical applications.

The workshop participants have the opportunity to communicate and discuss their daily challenges with the exhibiting companies.

assa® also provides **customized analytical training** for x-ray diffraction and other analytical techniques. Please inquire about specialized training programs.



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Analytical Services

assa® provides a wide array of International Services for the Pharmaceutical Industry.

Pharmaceutical Analysis

We concentrate our analytical efforts on solid-state characterization of pharmaceutical material including foreign particulate matter. In doing so we support Thermal Analysis, Microscopy, X-Ray analysis, Spectroscopic Methods, Vapor Sorption and others.



Project Consulting

Our Project Consulting team can optimize characterization research to focus on an API crystalline form with the most desirable physical properties.

By doing so we can guide the client in choosing the optimal drug form. If an undesirable polymorph is uncovered in either scale up and/or process transfer to other site(s), **assa**® experts will determine the root-cause and will propose appropriate corrective actions for remediation. **assa**® experts

use a comprehensive multi-technique approach, which may include several cutting-edge analytical techniques.

We help navigate through complex experimental design, parameter choosing, data interpretation, and data correlation.

Lab Equipment

Our Lab Equipment staff assists in navigating through a myriad of information regarding analytical instrumentation, equipment currently used, capabilities, limitations, ease of maintenance and servicing, and friendliness of hardware and software for the user.

Ultimately, we optimize choices of the analytical instrumentation equipment most suitable for clients' needs within available budget parameters.





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Intellectual Property Support

Protecting Intellectual Property rights is one of the most critical tasks in pharmaceutical Research and Development.

We provide a balanced combination of scientific and technical expertise that enables us to represent our clients in the most sophisticated areas of preformulation, formulation and processing.

assa® works closely with lawyers in different jurisdictions who specialize in pharmaceutical patents concerning solid-state forms and formulations.

Our comprehensive fundamental approach to solid-state characterization combines analytical cutting-edge techniques such as PXRD, crystal structure determination, SAXS, DSC, TGA, Solid State NMR, Microscopy, IR and Raman spectroscopy and others. Experts will offer unparalleled assistance in analytical method development and validation.

assainternational® provides technical support and guidance for a potential litigation including expert witnessing and assistance in developing patenting strategy, as well as legal patent opinion, patent review, patent draft, or a comprehensive literature search.



International Resources

We provide links to post company profiles to our website for companies and organizations who support the pharmaceutical industry to develop and maintain safe drugs, enhancing awareness of your services.

Please visit us on our website or contact us for more information by email or telephone.



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