

About the seminar

In thermal analysis, the physical properties of a substance or a reaction product are measured as a function of temperature and time. Some of the well-known thermal analysis techniques are Thermo Gravimetric Analysis (TGA), Differential Thermal Analysis (DTA) and Differential Scanning Calorimetry (DSC).

The analytical techniques including DSC and TGA are commonly used to screen prospective pharmaceutical active ingredients, excipients, and drug formulations. Those techniques provide insights into characteristics such as polymorphism, amorphous / crystalline content, and thermal stability. Thermal analysis techniques such as TGA, DSC and Modulated DSC should be the fastest and most reliable way to characterize the pharmaceutical sample because they have extremely high sensitivity for detecting changes in composition, thermal stability and structure. Further, the analytical techniques such as micro-calorimeter, rheology also facilitate the pharmaceutical material characterization.

The main objective of the seminar is to explain the science and technique behind pharmaceutical material characterization.

Who should attend

Researchers, Scientist and Academicians, Chemists (QC, QA, R&D) working in the area of pharmaceuticals, chemicals, material science, polymers, metallurgy etc. This seminar covers the following areas:

- ◆ Introduction to Thermal Analysis
- ◆ Advanced Rheological Methods and Measurements
- ◆ Calorimetry
- ◆ Physical Characterization of Materials
- ◆ Applications in Pharma Industry

Speakers:

Prof. Nand Kishore (IIT Bombay)
Dr. Rajganesh (TA Instruments)
Mr. Srijith Edakkanam (TA Instruments)
Dr. Manju Misra (NIPER-Ahmedabad)
Dr. Amita Joshi (B. V. Patel PERD Centre)

Program co-ordinator

Dr. Neeta Shrivastava

Workshop co-ordinators

Dr. Manju Misra

Dr. Amita Joshi

Mr. Indrajit Kumar

Program Schedule

April 25, 2014

Registration	: 9:30 - 10:00
Welcome and Introduction	: 10:00 -10:30
Tea Break	: 10:30 -11:00
Technical sessions:	
Session I	:11:00-13:00
Lunch Break	:13:10-14:00
Session II	:14:00-16:00
Certificate distribution	:16:00-16:15

Registration fee

Up to April 15, 2014	: Rs. 500/-
Spot Registration	: Rs. 700/-

Note: No accommodation will be provided

For further information contact:

Mr. Jacob Koshy

B. V. Patel PERD Centre,
Thaltej, Ahmedabad – 54
Tel: 079-2743 9375, 2741 6409,
Mobile: 09725956717
Email: perd@perdcentre.com
Website: www.perdcentre.com

ONE DAY SEMINAR SPONSORED BY TA INSTRUMENTS

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Exploring the Potential of Thermal Methods, Rheology and Microcalorimetry in Pharmaceuticals

April 25, 2014

Venue

B. V. Patel PERD Centre

Organized By

B. V. Patel Education Trust

&

B. V. Patel PERD Centre



REGISTRATION FORM

Name: Mr./Ms./Dr. _____

Educational Qualifications: _____

Designation: _____

Department: _____

Organization: _____

Official Address: _____

Phone: _____

Fax: _____

Email: _____

Area of Interest: _____

Registration Fees

*DD/Multicity Cheque No: _____

Amount: _____

Bank: _____

Signature: _____

*In favour of "Shri B.V. Patel Education Trust" payable at Ahmedabad

About PERD Centre

B. V. Patel PERD Centre is India's first multidisciplinary, postgraduate research institute dedicated to the pursuit of excellence in the pharmaceutical sciences.

In October 1990, the B. V. Patel Education Trust in conjuncture with the Indian Pharmaceutical Association established B. V. Patel Pharmaceutical Education & Research Development (PERD) Centre, in the memory of late Shri B. V. Patel, the first Drug Controller of Gujarat.

PERD Centre was started with the aim of providing the Pharmaceutical industry and academia the opportunity and resources to undertake the latest in research and development.

Equipped with the latest and best R&D facilities, highly qualified scientific & technical personnel & regular education, training and developmental activities, PERD, today, is an internationally recognized research institute, providing the Pharmaceutical industry and Academia the opportunity and resources to undertake the latest in research and development.

A non-profit organization, PERD Centre acts as a supportive partner to the pharmaceutical industry and academia, providing the facilities and resources to undertake the latest in research and development.



About TA Instruments

TA Instruments, a wholly owned subsidiary of the Waters Corporation, Milford, MA. USA. TA Instruments which began direct operations in India back in 2002 is recognized worldwide for high technology products like Thermal Analysis Equipment's (DSC, TGA, DMA, TMA, Discovery TGA, Discovery DSC, Vapor Sorption) Rheometers (Discovery Hybrid Rheometers, ARES G2), Microcalorimeters (Nano ITC, Nano DSC, TAM). In addition, TA Instruments have expanded the product portfolio which include Discovery Laser Flash Systems, Discovery Thermal Conductivity Instruments, Baehr Dilatometers and Viscometers, Simultaneous Thermal Analyser and Accessories.

TA Instruments is also recognized for the innovative engineering, quality manufacturing, timely deliveries, excellent training and superior after-sales support. With a strong R&D division, TA Instruments is committed to continuously bringing out new products.

The company is committed to provide the best support to the customers before and after the sale. It has also expanded its Applications Laboratory facility in Bangalore to support the customers for analyzing samples and to support application related issues. With the instruments installed in the company laboratory, any customer in India has the opportunity to see the very latest technology available.

