

Measuring & Characterising Pharma Workshop

Wednesday 22nd July

Anton Paar UK, 950 Capability Green, Luton, LU1 3LU

Anton Paar Ltd is delighted to invite you to join us for this one-day workshop exploring the latest techniques used in pharmaceutical characterisation and quality control. Through a combination of presentations, practical demonstrations and real-world case studies, attendees will gain valuable insight into particle and powder characterisation, thermal analysis, material identification, sample preparation and data integrity.

Designed for those involved in pharmaceutical development and manufacturing, this workshop will demonstrate how complementary analytical techniques can be applied throughout the pharmaceutical development lifecycle to support formulation development, manufacturing performance, regulatory compliance and product quality. Attendees will gain a broader understanding of how these techniques can be used to support informed decision-making and robust pharmaceutical processes.

Key Takeaways:

- Explain critical pharmaceutical powder characterisation techniques
- Interpret particle size, flowability and density data
- Assess excipient suitability for granulation and tableting
- Understand the impact of humidity and environmental conditions on powder behaviour
- Apply core principles of pharmaceutical data integrity and 21 CFR Part 11 compliance

Topics Covered:

- Particle and powder characterisation techniques and their role in pharmaceutical development
- Particle size, flowability and density measurements for understanding powder behaviour
- Thermal analysis and material identification techniques
- Sample preparation considerations and best practices
- Assessing excipient suitability for granulation and tableting applications
- The impact of humidity and environmental conditions on material performance
- Data integrity principles and 21 CFR Part 11 compliance
- Case studies demonstrating how complementary analytical techniques can be applied throughout the pharmaceutical development lifecycle

Timetable



09.30	Registration, Welcome & Coffee
09.45	Session 1: Session 1: Building a Better Understanding of Pharmaceutical Materials
10.45	Practical Demonstration: Solid Particle Characterisation
11.30	Coffee Break
11.45	Session 2: Powder Characterisation & Manufacturing Performance
12.30	Interactive Practical: Powder Flow & Density Characterisation
13.15	Lunch & Networking
14.00	Material Identity, Purity and Quality Control
14.45	Hands-On QC Demonstrations
15.30	Coffee Break
15.45	Session 4: Sample Preparation for Elemental Impurity Analysis
16.00	Session 5: Digital Laboratories and Data Integrity
17.00	Workshop Finished, Thank-you for Joining!

Meet the Team



Steve Vincent

Steve Vincent is Head of the UK Technical Department, providing application support, sample testing, training and method development across all Anton Paar product lines. A chemist by training, he has over 30 years' experience with leading analytical instrument and software companies, developing a strong understanding of analytical chemistry techniques and the challenges faced in QC and R&D laboratories. His expertise includes density measurement, refractometry, electrochemistry and molecular spectroscopy. He is also Anton Paar UK's in-house expert for the pharmaceutical industry and the data integrity solutions used to meet regulatory requirements.



Cormac Carry Fennessy

Cormac is an accomplished Application Engineer with over two years at Anton Paar. Most of this time has been spent developing customer solutions using techniques such as laser diffraction, thermal analysis, DLS, rheology and gas adsorption. With a solid academic foundation in engineering and applied sciences from the University of Leicester, he applies these skills to solving application challenges. Cormac is also building a strong understanding of advanced analytical techniques and their use in pharmaceutical processing.



Nish Malde

Nishil Malde is our UK Product Manager for X-Ray, Surface Area & Porosity and Mechanical Surface Characterisation. Nishil has over 25 years of experience in technical instrument sales and application support, including 11 years at Anton Paar. With a PhD in Physics from Imperial College London, Nishil is a recognised expert in materials characterisation. His passion lies in guiding our customers to innovative solutions for their material analysis needs.



Joseph Hodges

Joseph Hodges is the Product Manager for Rheology & Texture Analysis for the UK & Ireland. Joseph has a degree in Biomedical Sciences from the University of Southampton and has seven years' experience assisting research and manufacturing institutions in adopting physical characterisation methods on rheometers and developing their material characterisation strategies throughout the UK, US, Europe and Southeast Asia. In his current role, he is responsible for supporting application development and technical enquiries within the UK & Ireland.



Steve Singh

Steve Singh is the Product Manager for ASC. Steve Singh has worked in the field of analytical and synthetic chemistry for over 30 years. He joined Anton Paar in 2004 as the Product Manager for the Chemical Analysis Technology division, now called Analytical and Synthetic Chemistry (ASC). Along with ASC, Steve is also responsible for FTIR and Raman spectroscopy.

Book Your Place

Spaces are limited to ensure an optimal delegate-to-tutor ratio for hands-on learning. To reserve your place, please scan the QR code below or email info.gb@anton-paar.com.



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