

Particle Testing Authority (PTA) Extends Its Ability to Investigate Dispersion Stability with a New Tool

Micromeritics Division Adds Formulation's Turbiscan TOWER to its Arsenal of Characterization Instrumentation

NORCROSS, GEORGIA, UNITED STATES, June 13, 2019 /EINPresswire.com/ -- In its ongoing efforts to add the most advanced analytical equipment, Particle Testing Authority (PTA), a division of Micromeritics Instrument Corporation, today announced it has acquired Formulation's Turbiscan TOWER to help solve [dispersion stability](#) issues.

Turbiscan TOWER is the new flagship product of the Turbiscan range for full characterization of the colloidal stability of concentrated dispersions (emulsions, suspensions, foams). Six independent measurement positions allow simultaneous comparison of formulations for faster and better understanding of destabilization mechanisms (creaming, sedimentation, flocculation, coalescence). Measurements can be performed from 4 to 80°C to accelerate destabilization process or to reproduce storage conditions. An improved mechanical design and vertical set-up offer improved performance and smaller bench footprint.

"For many years as Micromeritics Analytical Services, we have been known as the "gold standard" for surface area and pore size testing," said Greg Thiele, General Manager of PTA. "Over time we have expanded our capabilities and expertise in characterizing powders whether they are dry or dispersed in a liquid, so the Turbiscan is a natural addition because of its ability to measure stability of the dispersions."

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Thiele added, "many of our customers who choose us for particle size distribution and zeta potential measurements use this information to assess the stability of their particles in a colloidal system. With the Turbiscan, we can now give them a comprehensive understanding of how their suspension will behave by measuring the migration of the particles so that the rates of phenomena such as sedimentation or agglomeration can be determined within minutes. With this analysis, even the shelf life can be accurately predicted."

Thiele said with the Turbiscan PTA now has the capabilities to:



Formulation's Turbiscan TOWER

- Show how particle size and zeta potential fit into bigger picture
- Provide data on how dispersion destabilize
- Quantify dispersibility
- Quickly qualify if redispersion can be achieved effectively
- Determine within three days what would normally take 4 to 10 weeks
- Measure emulsions as-is without any dilution or disturbance

PTA recently added a DVS Resolution from Surface Measurement Systems to complement its DVS Advantage and DVS Intrinsic.

About Particle Testing Authority

The Particle Testing Authority (PTA) provides material characterization services for fine powders and solid materials using Micromeritics' instrumentation alongside complementary solutions from other vendors. With the certification and expertise to operate across a wide range of industries, the PTA offering runs from single sample analysis to complex method development, method validation, new product assessment, and the analytical support required for large-scale manufacturing projects. An experienced, highly trained team of scientists, engineers, and lab personnel works closely with every client to ensure that all analytical requirements are rapidly and responsively addressed. The company has its worldwide headquarters in Norcross, GA, USA and its European and Chinese HQ in Munich, Germany and Shanghai, China, respectively. For more information go to www.particletesting.com

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