



Synergistic approaches in Zeta Potential and Stability Analysis for advanced research

Case study on a plant-protein based formulation

Context

Formulators encounter various challenges daily, such as the impact of switching suppliers on product quality, the risk of formula destabilization when substituting a component, or the need to incorporate a new ingredient. To meet customers' demands and formulators' expectations for the final product, it is crucial to employ cutting-edge technologies that comprehensively characterize systems. MICROTRAC provides a wide range of technologies and tools for characterization, supporting formulators in the product development process for fast decision-making based on facts. This application note presents a case study that combines zeta potential, particle size, and stability analysis to optimize protein-stabilized emulsions.

Two parameters, ONE conclusion

MICROTRAC provides solutions with unique features:

STABINO ZETA

For zeta potential measurements with **online titration** and **no dilution**.

TURBISCAN

For up to **1000x faster** of formulation destabilization and quantification.

By combining all these technologies, the time needed to introduce products to the market is reduced and the optimal formula is quickly identified with the highest level of accuracy.