

Custom-Made / OEM

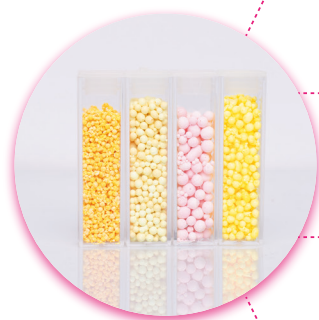


high flexibility and expertise in customised product development

proven ability to design and implement challenging OEM products for special requirements

direct interaction with our R&D experts and short lead times

product can be labelled as Applied Microspheres or with your logo



Specially designed particle technology products for specific applications:

- Instrument calibration and validation
- Tailor-made (multi)functional polymer particles for biomedical applications
- Qualification and quantification of contaminations
- Agglomeration studies
- Product security and unique identity labeling
- Detecting production failures or leakages
- Mimicking biological colloids (e.g. bacteria, hematology) for analytical purposes
- Filter retention and capacity studies
- Fluid mechanics and flow tracing studies
- Centrifugation and sedimentation analysis
- Many others...

Applied Microspheres specialized scientists are at the forefront of creating benchmark-quality particle standard products, offering exceptional customization and accelerated turnaround times due to our streamlined communication with R&D experts. From client support to reliability in lead times, we are dedicated to your satisfaction.

Applied Microspheres excel in producing polymer nano- and microspheres with extremely precise size distributions. Our unique capability to stabilize multimodal suspensions enhances the longevity and reliability of custom-made particles for demanding applications (up to more than 36 months).

This feature is essential for the design of custom-made particle formulations for many demanding applications. Besides, the broadness of the particle size distribution can be adjusted, depending on the product application. Precise concentrations or particle counts can be provided, even at counts lower than 500 per mL. The microspheres can be dyed with a multitude of (fluorescent) dyes and surfaces can be modified for subsequent conjugation with antibodies, or other biomolecules. The dyes are incorporated in the polymer matrix to prevent dye leakage. Different functionalizations, such as surface modification and fluorescent labeling, can be combined, leading to multifunctional particles for special applications. Custom-made products can be manufactured in large batches, which can also be reserved for your individual use. A specially formulated suspension medium ensures long-term stability and supply.

