



## PHARMATEK<sup>®</sup> SD Spray Drying Technology

With the acquisition of Pharmatek Laboratories, Inc., Catalent now offers a complete range of services for the development and manufacture of spray dried dispersions. Our combined expertise in formulation and process development and capabilities in spray drying enable us to overcome some of the most difficult product development challenges.

### Why Pharmatek<sup>®</sup> SD

As an integrated solutions provider with over 75 years of industry experience, Catalent's Pharmatek<sup>®</sup> SD offers a holistic approach to the development and manufacture of spray dried dispersions. We combine our expertise in formulation, manufacturing and clinical supply with our capabilities in spray drying to overcome some of the most difficult product development challenges to deliver a complete finished dosage form solution.

- Full analytical and physical characterization
- Preformulation testing and formulation and process development
- R&D and GMP manufacturing: Development to Pilot scale spray drying capabilities
- Broadest selection of downstream processing technologies, co-located with Pharmatek<sup>®</sup> SD
- Rapid development from prototype to finished product

Spray dry technology offers proven performance, stability and manufacturability. It is also a key component of Catalent's Optiform<sup>®</sup> Solution Suite, a science-driven parallel screening approach to identify the optimal formulation pathway for poorly soluble compounds.

### Expert Capabilities, Integrated Services

#### Spray Drying Services

- Particle Characterization
- Feasibility Studies
- Formulation/Process Development & Optimization
- Scale-Up
- cGMP Manufacturing



DEVELOPMENT



DELIVERY



SUPPLY



### **Spray Drying Capabilities**

- Aqueous & Solvent Processing
- Open and Closed Loop System
- Two Fluid & Pressure Nozzles

### **Co-Located Down-Stream Processing**

- Secondary Drying: Vacuum, Convection Ovens
- Gerteis Mini-Pactor Roller Compactor
- Full Range of Granulators, Blenders, Tablet Presses & Encapsulators

### **Kinetic Solubility in Biorelevant Media**

- Scanning Electron Microscopy (SEM)
- Thermogravimetric Analysis (TGA)
- X-ray Diffraction (XRD)
- UPLC, HPLC & Gas Chromatography
- Density & Texture Analyzers
- Particle Size Analysis
- Polarized Light Microscope

Catalent can also partner with you through the clinic and all the way to market, ensuring robust and scalable formulations, and integrated clinical manufacturing to accelerate your program with full clinical packaging and distribution services as well as scale-up and commercial supply.

more products.  
better treatments.  
reliably supplied.™

**Discover more solutions at [www.catalent.com](http://www.catalent.com)**

**GLOBAL** + 1 888 SOLUTION (765-8846)

**EU** + 800 8855 6178

[solutions@catalent.com](mailto:solutions@catalent.com)