



## Capabilities Overview

Arch Spray Drying Services (ASDS) specializes in providing expert laboratory- and pilot-scale spray drying solutions for the chemical industry. We are dedicated to supporting your product development, research and development (R&D), and scale-up needs through custom services, advanced formulation development, and small-batch processing. All services are conducted from our US-based facility, ensuring quality and reliable turnaround.

### Core Expertise and Equipment

Capability Area	Key Services Offered	Technical Details
Spray Drying	Custom development and small-batch production	1–30 kg/hr capacity, precise particle size and moisture control
Formulation	Custom formulation development	Wet blending, emulsifying, grinding
Blending	Dry and Liquid Blending / emulsifying	Dry blending and dispersing and emulsifying of liquid blends
Scale-Up	Process development and commercialization support	Technical and cost-perspective recommendations
Engineering	Pilot and commercial scale consultation	Spray dryer setup, engineering, and selection
Granulation / Agglomeration	Fluidized dry blending with spray addition of additives	Granulating and agglomerating of particles to reduce dust and surface treat
Analytical Services	Quality testing and analysis	% Moisture, AA/ICP, XRD, XRF, PSA (Particle Size Analysis)