



#2207

Spray Drying

SPRAY DRYING MODELING TO IMPROVE POWDER QUALITY AND PROCESS YIELD

DESCRIPTION

PLAPIQUI has experience in the modeling of spray drying processes including mass, energy, momentum and population balances. We have developed and validated models for lab and pilot plant spray dryers.

We offer you our capabilities in:

- Theoretical modeling of atomization process as a function of operating conditions, nozzle design and solution/dispersion properties
- Prediction of spray-dried product properties: particle size distribution, humidity, particle density
- Prediction of process temperature and yield
- Optimization and control studies of spray drying processes
- Design of experiments for the production of particles with desired properties and process yield

CONTACT US

Office of Technology Transfer

✉ ott@plapiqui.edu.ar

🌐 plapiqui.edu.ar/ott

📞 +54 291 4037200 - Int 217/214

📞 +54 9 291 4261644