

Pharma Projects



Company presentation for Pharma projects

Pharma expert consultant: Åsa Bergenholtz, Pharm. Dr.

We offer:

- ✓ Experienced project leadership
- ✓ Lyo-product development by "Best Practice" rationale
- ✓ Advanced troubleshooting
- ✓ Optimizing activity and stability
- ✓ Optimizing the formulation and lyo-cycle
- ✓ Quality by Design experimental design …and much more

Visit: www.lyotech.se



We are specialized on formulation, freeze-drying and product stability aspects!





- ✓ Selection of ingredients
- ✓ Function of ingredients
- ✓ Solid content
- ✓ Solvent and solute behavior
- ✓ Critical temperatures, and the use of them
- ✓ Impact of selection of ingredients on product characteristics
- ✓ Impact of lyo-cycle and process economy



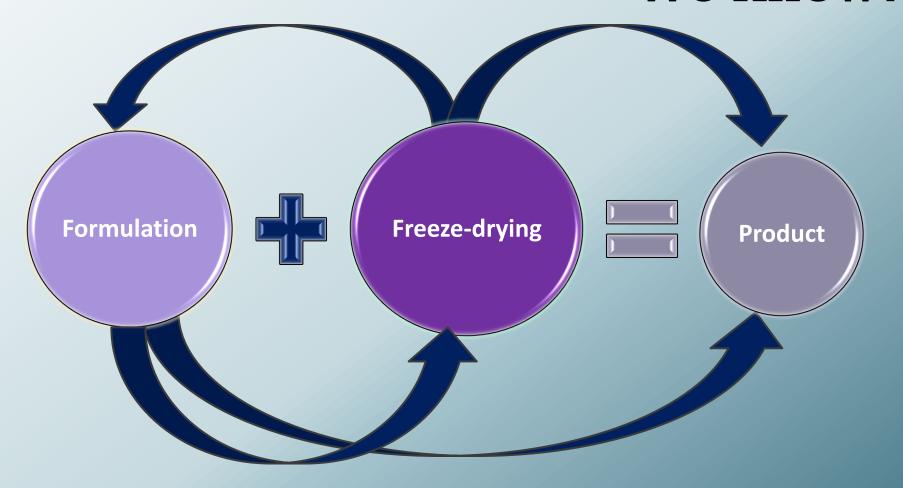
- Optimizing lyo-cycle, better economy!
- PAT (process analytical technology)
- ✓ Reach right moisture level
- Form right product characteristics
- Dry to maintain high quality
- Control according to selected critical temperatures (Tcoll or Tg)
- QbD (Quality by design) approach
- ✓ Robust and optimized



- ✓ High stability and right moisture level
- ✓ High activity
- ✓ Pre-determined technical quality
- ✓ Characterization of the dry product
 - ✓ Amorphous or crystalline?
 - ✓ Moisture levels?
 - ✓ Stability (ICH guidelines)
 - ✓ Troubleshooting



What affects what? and how? - We know!







Lyo is developed by knowledge, not trial and error!

http://www.lyotech.se/

Contact: asa.bergenholtz@lyotech.se +46 (0)7091430862

All quotations are free of charge!