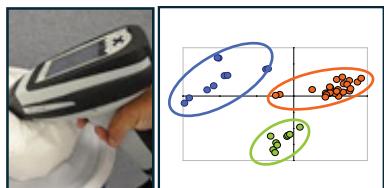


Process Analytical Technologies

Chemical Processes



Handheld NIR
Raw materials identification
and qualification

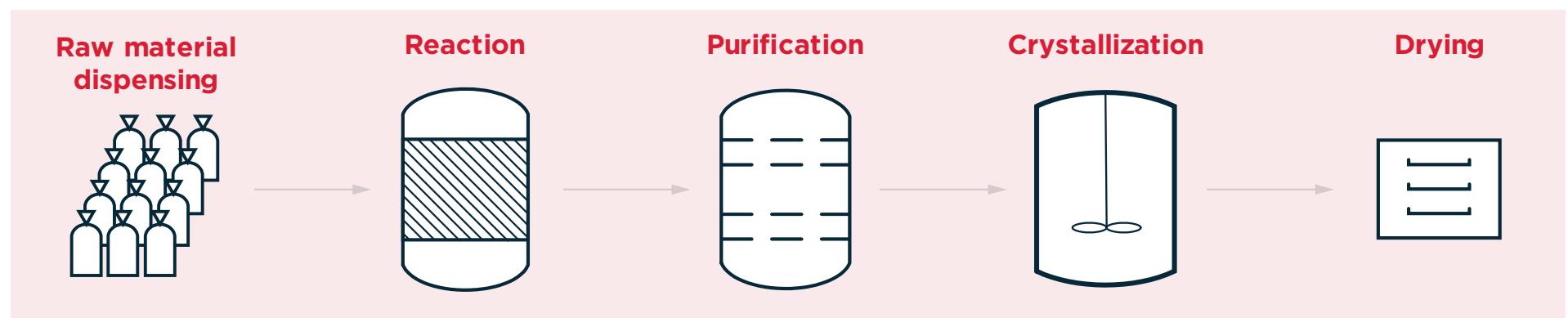


UV photometry
Concentration and end-point determination

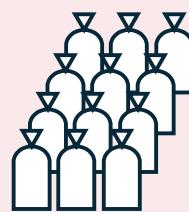


Refractometry

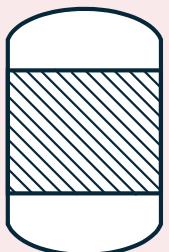
Multivariate Analysis



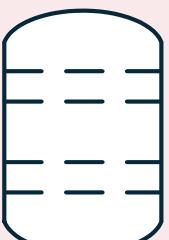
Raw material dispensing



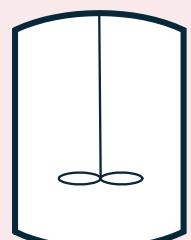
Reaction



Purification



Crystallization

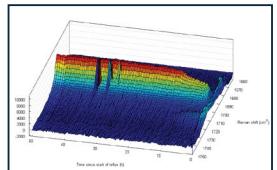


Drying



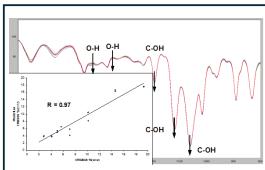
Raman spectroscopy

Reaction conversion and polymorphs formation



FT-IR spectroscopy

Reaction conversion and polymorphs formation



Raman and FT-IR spectroscopy

Concentration and polymorph conversion

FBRM

Crystals growth dynamics



NIR spectroscopy

Drying end-point and solid state characterization

