

Training

Mixture designs

Learn about Mixture designs

Objectives

This training session on Mixture design is aimed at people involved in product formulation who wish to:

- Improve understanding of processes through mixture designs of experiments, with and/or without constraints
- Control formulation studies, from screening to optimization
- Master combined Mixture design

During the training, the method principles are introduced by a geometric approach. Emphasis is placed on the practical use of the method and the interpretation of the results.

Application exercises are proposed for each method. The training will be held on software dedicated to Design of Experiments: Design Expert® / Stat-Ease 360 (StatEase).

Information



Know basic statistics (mean and standard deviation) and simple comparative experiments



R&D, quality control, product development, process optimization, ...



Data in the context of formulation issues



Agriculture / food, Petrochemical, Pharmaceutical, Biotechnology, Chemistry, Environment...



2 days



In-house sessions



Researchers, scientists and engineers

DESIGNEXPERT
VERSION 13

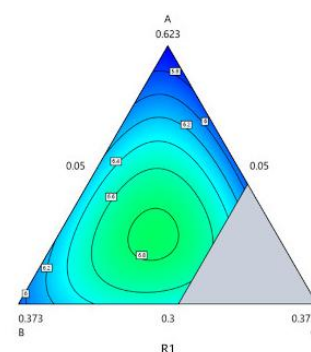
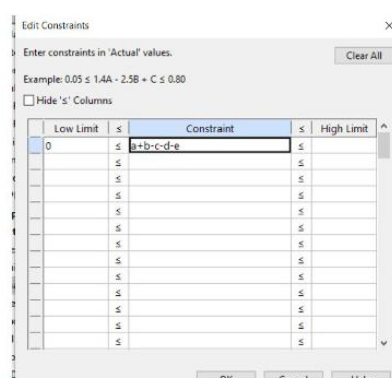
STAT-EASE 360

Program

- > Introduction to Mixtures
- > Constrained Mixtures: Simplex
- > Constrained Mixtures: Optimal Designs
- > Multicomponent Linear Constraints
- > Screening Components
- > Combining Mixture & Process Variables
- > Designs for Amounts and/or Categorical Factors
- > Mixture-Process Split Plots
- ✓ *Application on data set and software*



- > Questions & Answers
- > Evaluation quiz
- > Satisfaction survey



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If one of your employees has a disability and needs special support, please let us know so that we can adapt the training accordingly.