

Advanced Qualitative Analysis

Libraries, Identification, and Qualification only! What can you do when product identifications are ambiguous? How many products should be in a Library? When should you put products in a separate Library? Is this a difference in suppliers or is it a wrong product? What can be done when you have both organic and aqueous products in a Library? These questions and more will be discussed during the Advanced Qualitative Analysis Vision class. Customers are encouraged to bring their own data; however, data is available for all hands-on exercises.

Part Number: **XT-1090**

Library Development Assistance: for personal Library Development assistance, contact us at education@foss-nirsystems.com to arrange the date and location.

Agenda

This agenda will be modified based on the interests of the participants as the class is designed to be customer driven.

- Presentation
 - Math pre-treatments and their application
 - Sample Selection – Random, Mahalanobis Distance or Maximum Distance
 - Defining the Library
 - Pattern recognition algorithms – how do they work and which one to use when
 - Library Validation
 - A Visual Summary
- Hands-on Exercises – your data or ours!
 - Sample Selection
 - Identification of Products
 - Qualification of Products
 - Evaluating method Performance
 - Sample Selection
 - Identification of Products
 - Qualification of Products
 - Validating the Library
 - Identification of Products
 - Identification of Products
 - Expanding a Library
- Supplemental Information

Dedicated Analytical Solutions

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