

NIRS in Quality Control - Regulatory Aspects

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Regulatory documents

- Near Infrared Spectrophotometry European Pharmacopoeia 4.05, 2.2.40
- Note for Guidance on the Use of Near Infrared Spectroscopy by the Pharmaceutical Industry and the Data Requirements for new Submissions and Variations CPMP/QWP/3309/01, Aug 2003
- Note for Guidance
 - on Validation of Analytical Procedures: Methodology (CPMP/ICH/281/95)
 - on Validation of Analytical Methods: Definitions and Terminology (CPMP/ICH/381/95)



Regulatory status

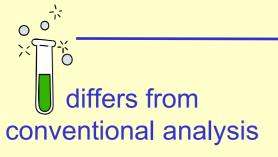
(CPMP/QWP/3309/01)

well established method

no limitation to herbal substances



Note for Guidance CPMP/QWP/3309/01







limited experience

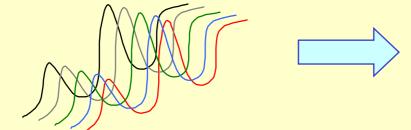
validated reference method(s)

alternate method "only"



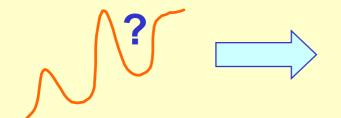
Qualitative Methods





Identification

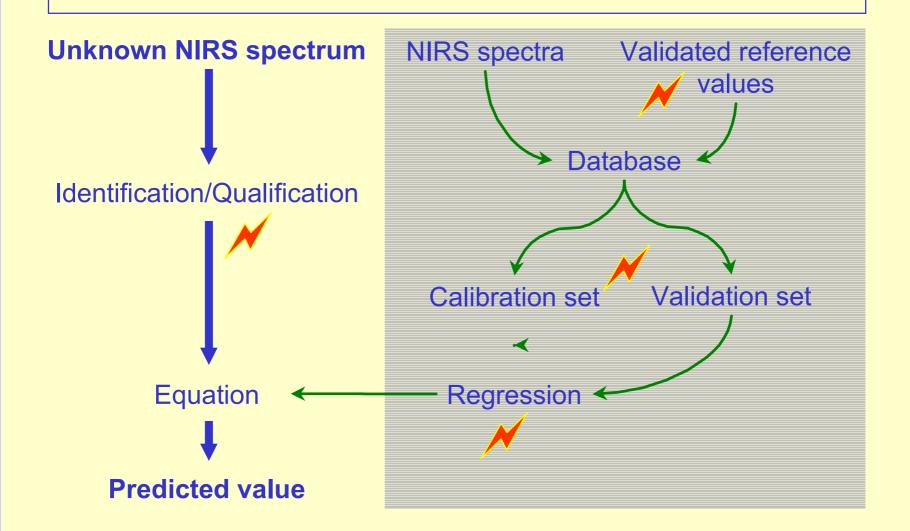
Qualification



- 1. Wavelenght Correlation
- 2. **Maximal Wavelength Distance** Others should be justified!

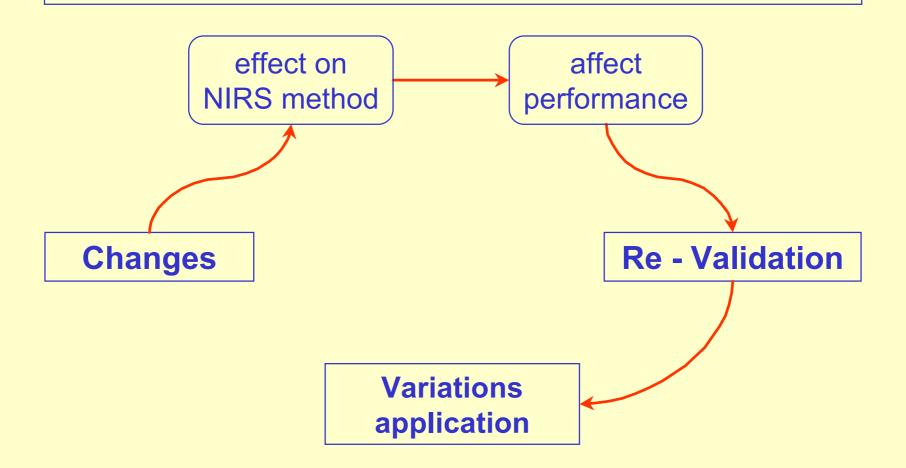


Quantitative Methods





Change control





Conclusion

- Note for Guidance CPMP/QWP/3309/01
 - basis for developing and assessing NIRS methods
 - data for the quality part have to be in accordance with the requirements
 - differences should be justified scientifically
- Developing NIRS methods for herbal drug preparations etc. may be more demanding than for pure chemical substances