

Spectroscopy solutions for the personal care industry



Consolidate your quality control along the complete production chain

Vis-NIR spectroscopy from Metrohm

02

Accurate testing of multiple parameters in less than a minute!

During production of personal care products, rigorous testing is essential. However, why use several different technologies for quality control when could do it all with one? Think again: **With Metrohm Vis-NIR Analyzers, you can obtain accurate results for numerous quality parameters in a single measurement, without any sample preparation required at all!**

Metrohm Vis-NIR analyzers are a robust, sustainable and cost-effective alternative to your current methods for analyzing solvents, active ingredients, additives and final products. For regulated environments, the FDA 21 CFR Part 11 compliant software facilitates the quality assurance and helps you with the preparation of upcoming audits.

The benefits of Metrohm Vis-NIR spectrometers



Increased productivity

Significant time savings, because one analyzer provides multiple chemical and physical quality parameters in less than a minute. User familiarization periods are minimal owing to intuitive operation!



Environmental responsibility and work safety

Absence of solvents and chemicals during sample preparation and analysis reduce environmental impact and potential health hazards of operators!



Increased profitability

Significant cost savings, because no chemicals are required, no waste is generated and several analysis parameters are obtained simultaneously with a single measurement.



Compliance and Data Integrity

The modern user management restricts creating SOPs and changing settings to authorized users. Compliance is further ensured through a safe database and an audit trail.

Safety and added value along your complete production cycle

03

Incoming raw material inspection



Perform 100% raw material inspection right in the warehouse – at the push of a button.

Fast, Versatile and Transparent

From incoming materials inspection to intermediate formulations and final product control – Metrohm Vis-NIR analyzers are the personal care industry's preferred choice:

- fast results
- versatile: for solids, liquids, and creams
- compliance with FDA21 CFR Part 11
- full data transparency

Production process Monitoring



Cost efficient real time monitoring and optimization of production processes due to instant analyzer results.

Final quality control



Accelerated product release due to simultaneous results for multiple parameters.

Superior service and support

Metrohm Quality Service stands for high instrument up-time and no surprises. Count on our trained and certified service professionals and rely on the expertise and support of our application chemists – wherever you are!



- **Solution tailored to your needs**

Our experts support you and make sure your specific application works with the best performance

- **Guaranteed uptime**

Increased lifetime of your instruments guarantees longterm satisfaction

- **Qualified operators**

Professional on-site training ensures reliable and safe operation

- **Excellent support**

Closer to you: Metrohm support is just a phone call away

- **Security and Compliance**

Peace-of-mind for upcoming audits with our compliant documentation

Expertise with primary methods – discover more!

No one does it like Metrohm: We provide superior spectroscopy solutions – and the most widely used primary methods, too. Leave nothing to chance and make sure

you obtain your equipment from a single source to ensure seamless compatibility between the primary reference wet chemical and secondary spectroscopic methods.

Titration



Electrochemistry



Ion chromatography



For more information about our analyzers and applications, visit metrohm.com and contact your local Metrohm sales representative.

www.metrohm.com

