

trinamiX Mobile NIR Spectroscopy Solution

Enhance your quality control at the push of a button.

As a producer of plastic compounds and parts, you are committed to the highest product quality in your daily production processes. With the trinamiX handheld spectrometer we can now support you with a fast, easy to use, flexible and reliable solution to check if the materials of your running production align with your specified reference material.



Powerful combination of mobile hardware, data analysis and material expertise

✔ Mobile

Material throughout your supply chain can now be easily analyzed on the spot with the simple use of a portable handheld device.

✔ Fast

Quality checks can be performed within seconds, saving you time and costs. No need to bring your samples to the lab anymore.

✔ Easy

Our solution offers intuitive handling and is operated at the push of only one button.

Enhancing assurance and transparency with insights into your material streams

✔ Assurance

Improve your quality control process with reliable on-the-spot identification of out-of-spec materials. This can also support the handling of non-conformance claims.

✔ Transparency

Our Customer Portal enables you to document, visualize, and analyze incoming and outgoing material streams.

How does the Correlation App work?

The Correlation Application calculates the spectral similarity between a reference sample and a new sample by providing Pearson correlation coefficient R and coefficient of determination R^2 .

Examples

- Is this sample the substance that I expect it to be?
- Is a major component missing in my product mixture?
- Does my current product batch have a larger variation than my previous ones?

Test 1

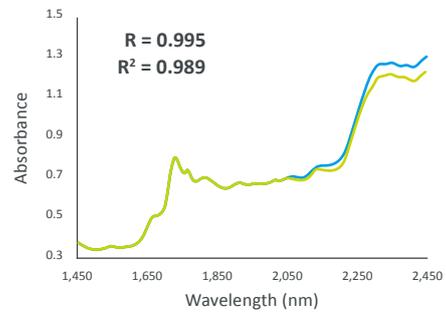
Reference sample A



Sample B



Does sample B have the same composition as reference sample A?



Passed

Test 2

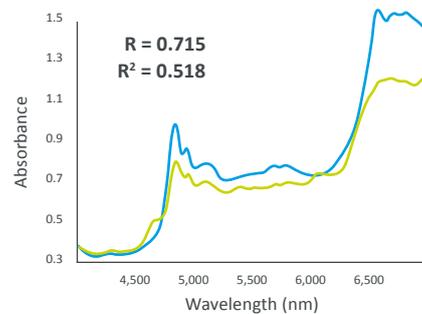
Reference sample A



Sample B



Does sample B have the same composition as reference sample A?



Not passed



Watch how it works
trinamiX solution for
mobile plastic sorting

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