



LABTWIN FOR QUALITY CONTROL (QC) IN MATERIAL SCIENCE



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SUITABLE FOR: CHEMISTRY, ECOLOGY, MATERIAL SCIENCE,
MANUFACTURING

Embrace good measurement practices to experiment with polymers, track their different formation stages, accurately record and maintain data, and scale up production.

HOW TO BEST OPTIMIZE QC IN POLYMER PRODUCTION?

Material Science and Chemistry is one of LabTwin's domains of expertise. From molecular reactions to compliance testing, QC operators and controllers are able now to trace every checklist and baseline measurement in the production line, using LabTwin's voice-activated digital lab assistant.

Chemical reactions are particularly sensitive to temperature and time variations. For example, in the case of polyurethane, different recipes and gel, foam, and rise times significantly affect testing and production.

A-HA MOMENT

Our QC controller at a top 10 chemical company realized that he could optimize his polymer production by taking voice-activated and time-stamped notes of every step in the protocol, instead of using pen and paper and an analog clock to note down times.

“Writing down individual times and keeping track between check sheets and different SOPs was challenging, especially if we had to use our hands to check the materials and also write down details.”

LabTwin User

Scientist, Top 10 Chemical Company



VOICE-ACTIVATED AND TIME-STAMPED NOTES

- > Digitally measure and record parameters like cream time, gel time, and rise time, hands-free and in real time with LabTwin's voice-activated digital lab assistant
- > Avoid getting your hands and documentation materials messy when noting reaction properties
- > Quickly and easily compare measurements between experiments and equipment
- > Discover valuable insights when changing protocols and analyzing metadata to tackle errors

Contact us to **book a free information session**.

KEY TAKEAWAYS

- > Bring QC measurements to the next level by improving data completeness and consistency in your documentation, with LabTwin's voice-activated digital lab assistant
- > Achieve faster and easier documentation in laboratory settings, digital analysis and product testing under specific environmental conditions
- > Deliver high-quality and timely reports that accurately document test results



"Before LabTwin, we were writing the cream, foam and rise times on the glass with a marker and we had to write it later on a piece of paper and then copy it to a spreadsheet."

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Scientist, Top 10 Chemical Company