

QSense Cleaning Profile

Procedure for evaluation of detergent product performance

1. Sample preparation

Collect the detergent samples for evaluation, the rinse water and QSense sensors coated with a specific soil.

2. Start-up

Place samples and sensors in the QSense instrument. Setup the automatic washing program and start the measurement.

3. Measurement

Water and detergent samples are flown over the soiled sensors according to the set washing program.

You can follow the soil swelling, degradation and removal in real-time on the screen.

4. Data extraction

The values of the cleaning profile parameters; Swelling time (I), Mass removal rate (II) and Total mass removal (III), are extracted in the analysis software.

5. Result

The cleaning profile values are weighed into a total ranking score which reveals the formulation with best performance.

