

# Cleaning Validation – Execution (Equipment and Glassware)

Consultancy services specializing in executing the essential steps required for equipment and glassware Cleaning Validation. Our focus is on providing comprehensive support in document creation, matrix development, test execution, and reporting to ensure the effective validation of cleaning processes

## Document Creation

We assist clients in creating all necessary documentation for Cleaning Validation, including SOPs, cleaning protocols, validation plans, and risk assessments.

Our team ensures that documents are tailored to the specific equipment and glassware cleaning processes, accurately reflecting regulatory requirements and industry best practices.

## Matrix Development

Zamann collaborates with clients to develop worst-case matrices that identify the most challenging cleaning scenarios for equipment and glassware. We analyze equipment and glassware specifications, cleaning procedures, and product characteristics to establish comprehensive worst-case scenarios for validation testing.

## Test Execution and Reporting

Our consultants oversee the execution of cleaning validation tests, including visual inspections, swabbing, rinse sampling, and analytical testing.

We meticulously document test results, observations, deviations, and conclusions in comprehensive validation reports, providing clients with a detailed assessment of cleaning process effectiveness and compliance.

