

Lab-Based Jar Sample Testing

Services



FRC performs jar tests to determine optimal coagulant/polymer dosing, simulate DAF performance, and reduce chemical costs.

FRC's in-house jar testing identifies the optimal pretreatment chemical strategy for dissolved air flotation and sludge dewatering. These controlled tests simulate full-scale performance to inform chemical dosing, equipment selection, and system design.

FRC performs jar testing by introducing various chemical treatments—coagulants, flocculants, pH adjustments—into small volumes of your actual wastewater. The process simulates coagulation, flocculation, whitewater interaction, and DAF flotation in a controlled lab environment. Sludge compressibility may also be tested for dewatering suitability. These tests help determine optimal chemical types, doses, and performance expectations before full-scale implementation, allowing you to fine-tune treatment and reduce chemical and operational costs.

Key Features

- Tests for coagulants, flocculants, pH adjustment
- Simulates coagulation, flocculation, DAF, and dewatering
- Analytical testing (TSS, FOG, BOD, COD) available
- Sludge compressibility analysis for equipment selection
- Final report includes polymer recommendations and dose ranges

Applications

- DAF system design and optimization
- Sludge thickening and conditioning
- Chemical program development
- Pilot system validation

Why choose FRC jar testing?

With proven lab protocols and deep application expertise, FRC's jar testing provides the clearest path to effective pretreatment, ensuring success from startup to long-term operation.

How can we help you?
Contact us today to find
your best solution.



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