

CALTEST SAMPLING INSTRUCTIONS- CONTAINERS with SULFURIC ACID (H₂SO₄)

Analyses and holding times-- frequently requested parameters collected in Sulfuric Acid (H₂SO₄) containers

Analysis	Method	Holding time
Ammonia (NH ₃ as N)	SM 4500-NH ₃ B,C	28 days
Chemical Oxygen Demand (COD)	EPA 410.4 / SM 5220 D	28 days
Nitrate+Nitrite (as N)	EPA 353.2 / SM 4500-NO ₃ F	28 days
Phosphorus, Total (as P)	SM 4500-P B/F	28 days
Total Kjeldahl Nitrogen (TKN)	SM 4500-Norg C/NH ₃ B,C	28 days

Special handling instructions for containers with H₂SO₄:

1. Use gloves and safety glasses whenever handling bottles.
2. Inspect containers upon receipt to confirm that they are intact, with lids secured.
3. With lid secured, inspect that there is liquid preservative in the bottle. You should see an approximately nickel to quarter size drop in the bottom.
4. When sampling, use gloves and safety glasses. Open the lid carefully and away from face. Use care not to spill and avoid inhaling. Try not to overfill as that will deplete the preservative. Fill to allow a little headspace at the top of the bottle.

Samples must be placed on ice or refrigerated at 0–6°C/32–43°F immediately after collection and must be on ice upon receipt at the lab. The 0–6°C/32–43°F temperature criteria must be met if samples are received a day or more after collection.

Shipping instructions

1. Please ship samples **overnight** to arrive to the lab Monday- Friday, as soon as possible after sample collection.
2. Place containers in plastic bags (secondary containment due to H₂SO₄).
3. Fill cooler with ice and put sample upright in the middle of the ice.
4. Ensure that the cooler is completely full so that the sample won't move around during shipping.
5. Put completed Chain of Custody (COC) form in a Ziplock bag and place on top of ice, inside cooler.
6. Ship **overnight** to:

Caltest Analytical Laboratory
Sample Receiving
1885 North Kelly Road
Napa, CA 94558

Note on outside of cooler: "Sample Enclosed, Open Upon Receipt"

Please contact Caltest Client Services with any questions: 707/258-4000 or pmgr@caltestlabs.com

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