

## AGRICULTURAL CHEMICAL TESTING

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### Ensure your products do not contain Quaternary Ammonium Compounds (QACs) or Amino Alcohols

#### What Testing is Available?

##### Amino Alcohols

These chemicals are used in a variety of applications such as emulsifying agents.

##### QACs

QACs (Quaternary Ammonium Compounds) are a class of compounds present in disinfectant agents which are commonly used in food processing and manufacturing plants to suppress bacteria and fungal growth.

#### Sample type restrictions

Hill Labs analyses produce samples for trace amounts of pesticide residues, therefore we cannot risk contamination from these chemicals. Testing any samples that have an active pesticide above 5% of the total formulation represents a high risk of contamination and will be rejected. Samples that contain an active pesticide from 0.5% up to 5% will require an additional 10-fold dilution which will affect the detection limit.

#### Industry Requirements

The horticultural industry require assurance that formulations applied to some fruits and crops do not contain QACs and/or amino alcohols. International markets such as the EU have strict regulations surrounding the allowable residues of these compounds.

#### To Submit a Sample

Hill Labs can provide you with a complimentary Sampling Kit, consisting of sample containers, Analysis Request Form and a pre-paid courier bag to return the samples to us. To order a kit, please call us on the number listed or via our portal <https://portal.hill-laboratories.com/>

- **Please fill both sample containers provided, each with ~20mL**
- Cap containers securely and double bag with the plastic bags provided
- Complete the Analysis Request Form
- Please note on the form / attach any pertinent information relating to your sample i.e. MSDS
- Place the two sample containers and the completed analysis request form inside the courier bag, and send to the laboratory

#### Contact Details

For further information please contact our Client Service Managers: [Food@hill-labs.co.nz](mailto:Food@hill-labs.co.nz) or phone 07 858 2000.