Tribioscience

Chlorophyll Color Removal SPE Column

Cat No.	Size
T0006-50	50 PCS/Bag
T0006-100	100 PCS/Bag

Description

Cleanup of matrices is the first, most important, and most critical step for both broad-spectrum screening and accurate determination of pesticides and their metabolites in vegetables, meats, drinks, and fruits. In most cases, solid phase extraction (SPE) methods are used for chlorophyll cleanup from the extracts or analytes before the GC-MS analysis. The ideal SPE material(s) should remove pigments, and other interferences from the food matrix, and offer truly high recoveries for a broad-spectrum of pesticides of matrix interferences.

Tribioscience's Chlorophyll Color Removal SPE Column incorporates novel silicon sorbents, cutting-edge materials specifically for superior chlorophyll and color removal to avoid low recoveries induced by graphitized carbon black (GCB) and other materials.

Chlorophyll Color Cleanup provides a simple and easy approach to remove chlorophylls from the complicated matrix, including tea, herbs, cannabis, hemp, and other food samples for pesticide residue analysis in GC-MS, and LC-MS analysis processing.

Applications

Removal of chlorophyll and color impurities from sample extracts for chromatographic analysis.

Storage Conditions

The kit is shipped and stored at RT. Shelf life of 12 months after receipt.

Procedures

1. Grill the samples: The sample (fruits, vegetables, tobacco, hemp, cannabis, etc.) is grilled into powder.
2. Take 0.5 to 1.0g into 5mL solvent like Acetonitrile (CAN). Vortex for 5-10min.
3. Upload 5mL supernatant into the SPE column, and go through the column to clean up the sample by gravity.
4. The clear liquid from cartridge is used for further analysis by gas-liquid chromatography -Mass or liquid-liquid chromatography-Mass.

For research use only.

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