pesticide residues, residual pesticide

Model: APEX-JCX563

Standard: GB/T5009.199-2003

Introduce: The instrument is based on national standards "GB/T5009.199-2003" technical requirements to design, content can organophosphate and carbamate pestici...

Detailed product information

APEX-JCX563 Pesticides Residues Fast Analyzer

First, pesticide residues, residual pesticide introduction

Pesticide residue fast analyzer is commonly used food lab equipment. The instrument is based on national standards "GB/T5009.199-2003" technical requirements to design, content can organophosphate and carbamate pesticides in fruits and vegetables for quick and accurate detection. The instrument can be widely used in government testing center and vegetables, farmers markets, supermarkets, green, vegetable planting base, hotels, and other units of measurement for all levels of pesticide residues in fruits and vegetables. Under certain conditions, organophosphorus (dimethoate, trichlorfon, dichlorvos, coumaphos, etc.) and carbamate (pirimicarb, metolcarb, propoxur, mipcin, isoprocarb etc.) pesticides normal function of cholinesterase inhibition, inhibition rate and pesticide concentrations were positively correlated.Instrument consists of ultra-high brightness LED light source, the cuvette, high-sensitivity integrated photovoltaic cells, microprocessors, all large-screen LCD screen, and an integrated thermal printer embedded micro-chip structure, can be shown directly on the large LCD screen the content of the sample related indicators, and print out the results of the analysis. Accessories manufacturers to provide a complete configuration, using durable boxes, user-friendly operation in a fixed or mobile laboratory laboratory. It can be widely used in automotive and other food safety testing laboratories and monitoring sites.

Second, the pesticide residues, residual pesticide instrument features

Pesticide residue fast analyzer is commonly used food lab equipment.

1 Reference JB/T9324-1999 visible spectrophotometer instrument development and production of professional standards. Detection based on national standards, industry standards, capable of built-in food testing standards for the upgrade. Test items can be customized according to the specific needs of customers, expand.

2 instrument full metal chassis, durable; all black inner wall design to reduce ambient light interference, security detection accuracy.

3 imported optical LED, excellent optical performance, color purity, the light intensity stability, good spotlight life of up to 100,000 hours.

4 dedicated optical detection, rapid changes in light intensity sensor, the dark current is very small to ensure the detection accuracy and stability.

5 special color kit, safe, reliable, does not cause harm to the experimenter. ARMCortex-M3 embedded control systems, complete database functionality (real-time display, storage, analysis, export, upload, printing, processing test data), the use of reliable and safe passage queue using authentication and encryption technology means to ensure the interaction and secure data transmission.

6 dedicated optical detector sensing the light intensity changes rapidly, the dark current is very small to ensure the detection accuracy and stability.

7.16-channel optical system, can simultaneously detect multiple targets samples.

8 dual print mode selection, either one by one using the built-in printer to print test data, may also add generic printer to print summary data.

9 special color kit, safe, reliable, does not cause harm to the experimenter.

10.ARMCortex-M3 embedded control systems, complete database functionality (real-time display, storage, analysis, export, upload, printing, processing test data), multi-category analysis methods (detection time, the detection unit testing personnel, test items, food was seized, channel testing, test data, the determination result, the determination limit); queue using reliable and secure channel technology uses authentication and encryption methods to ensure interaction and transmission of data security.

Third, the pesticide residues, residual pesticide technical parameters

Pesticide residue fast analyzer is commonly used food lab equipment.

1 accuracy error:. ± 3%

2 linearity error:. ± 5 ‰

3 Stability:. ± 0.001A/hr

4 Wavelength Accuracy: <2.0nm

5 Absorbance range:. 0.000 ~ 4.000ABS

6 wavelength range:. 412nm

7 Transmittance Repeatability:. ± 1%

8 Data Storage 60,000

9 Sample detection time:. ≤ 3 minutes

10 Computer software:. SafeDa V2.0

11 cuvette:. 10 × 10mm standard sample pool

12 Dimensions:. 380 × 250 × 90mm (can be customized)

13 source: Imported LED light source

14 wavelength calibration: automatic calibration

15 Display: large-screen LCD

16 Interface:. USB, RS232, can be connected to a computer