Grain Heavy Metal Analyzer | ATX3200

Features

- Non-destructive: samples do not require chemical pre-treatment
- Accurate: Cd detection limit reaches 0.02mg/kg
- Fast analysis
- No consumables required: low cost of use
- Green and environmentally friendly: no chemical reagents or gases are used
- Multi-element simultaneous testing

Application

- Paddy
- Brown Rice
- Rice
- Wheat

Description

ATX3200 is a grain heavy metal analyzer with a small and strong body structure and a very beautiful appearance. It uses a high-resolution SDD detector. The instrument has high resolution and good stability.

ATX3200 has 3 sets of filtering systems, which users can automatically switch to achieve accurate classification and measurement of dozens of other elements such as K, Ca, Fe, Zn, etc.

The instrument has an alarm prompt function, and the alarm light can display different colors according to the detection status.
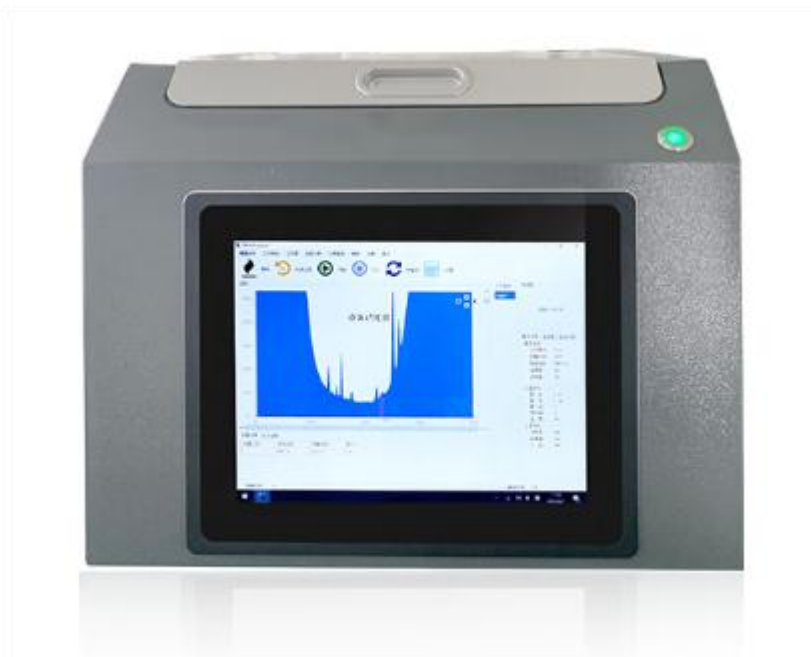
1. Parameter

Table 1 ATX3200 Grain Heavy Metal Analyzer Configuration

Model	Remark
Range	Na~U
Elements	Cd、Se、As、Pb，etc
Detector	High Resolution SDD
Energy Resolution	≤129eV
X-Ray Tube	Using high-quality air-cooled side window X-ray tube, W target material, tube flow <1000uA
Voltage Power	High voltage ≤65KV
Working Current	Not more than 1A
Filter	3 groups of filter systems automatically switch
Operation Method	Full touch screen operation, simple software operation interface, easy to use
Testing Time	Rapid screening (one sample, single test), single element <3 minutes; accurate quantification, multiple elements <25 minutes
Alarm Function	(Cd) Quantitative test <15 minutes, total quantification time of three elements Se, Pb, As <10 minutes)
Cavity Size	70mm*70mm*33mm
Size	462mm*488mm*410mm
Weight	<48Kg

2. Performance

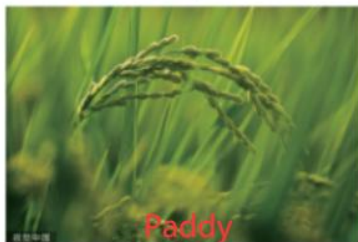|	Cd	Se	As	Pb
Detection limit	≤0.02mg/kg	≤0.03mg/kg	≤0.04mg/kg	≤0.04mg/kg
Analytical precision RSD (when the content is 0.2mg/kg)	≤5%	≤5%	≤10%	≤10%

3. Application

Corn
玉米

Brown Rice
糙米

Wheat
小麦

Paddy
稻谷

Soybeans
大豆

Rice
大米

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