BioLAB

PRODUCT CATALOG

ATOMIC ABSORPTION SPECTROPHOTOMETER BAAS-601

CE ISO9001 CERTIFIED

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ATOMIC ABSORPTION SPECTROPHOTOMETER BAAS-601

ATOMIC ABSORPTION SPECTROPHOTOMETER

An analytical technique used to measure the concentrations of elements in a sample. The system is incredibly sensitive and can detect down to micrograms (?g). It is performed by focusing a beam of known wavelength of ultraviolet (UV) light through a flame and into a detector.

Three lamp flame method. With automatic safety protection function, anti tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.

SPECIFICATIONS

Model	BAAS-601
Grating	1800 l /mm
Wavelength Range	190-900 nm
Spectral Bandwidth	0.1. 0.2. 0.4,. 1.0. 2.0 nm (automatic adjustable)
Wavelength accuracy	≤ 0.15 nm
Wavelength repeatability	± 0.1 nm
Baseline stability	≤ ± 0.002 A /30 minutes (static) ≤ ± 0.005 A /30 minutes (dynamic)
Light source	≤ 3 lamps automatic turret, automatic alignment
Power	Double cathode power built-in high performance lamps
Flame atomizer	
- Characteristic concentration (Cu)	0.015 μg/mL/1%
- Detection limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5 %
- Combustion head	Metal Titanium combustion head
- Atomizer	Efficient glass atomizer
- Atomizing chamber	explosion proof corrosion resistant material spray chamber
- Control system	Automatic PC control three light brick, automatic alignment, automatic optimization and automatic ignition
- Safety protection	With automatic safety protection function, anti-tempering automatic gas path protection, acetylene gas leak- age alarm, automatic shutdown system, abnormal automatic power-off.
- Background correction	Deuterium background correction: correction of the 1A background
Data processing	
- Measurement methods	Flame method, Hydride method
- Concentration calculation method	standard curve method (1 - 3 times curve),automatic matching, the standard addition method
- Repetition survey frequency	1-99 times, calculating the average value, standard deviation and relative standard deviations are given
- Results print	Parameters print, data and graphics print, export WORD and EXCEL document. Simple operation, lamp position rotating, automatic ignition through software
Communication interface	Computer and USB interface communication
Power requirements	220 V (+5 % ~ -10 %), 50/60 Hz; 5000 VA
Environment temperature	+15 °C ~ +35 °C
Relative humidity	20 ~ 80 %
Alt Name	Atomic Absorption Spectrophotometer

APPLICATIONS

Food and Beverage Industry, Water Analysis, Clinical Research, Pharmaceutical, Mining and Geology, Environmental Monitoring, Oil and Petroleum, Forensics.

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