BioLAB

PRODUCT CATALOG

ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1G1 (BAAS-606)

CE ISO9001 CERTIFIED

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ATOMIC ABSORPTION SPECTROPHOTOMETER BJN1G1

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.

Eight lamp flame/graphite furnace integrated machine. Imported photomultiplier tube. The graphite tube damage, water flow air pressure and other alarm temperature overheating protection.

SPECIFICATIONS

Model	BJN1G1
Old Model	BAAS-606
Light Source	8 lamps automatic turret, automatic alignment
Power Supply	110/220 V (+5% ~ -10%), 60/50 Hz; 5000 VA
Lamp Current	Pulsed power supply
Optical System	Large 1800 /mm grating ruling, full closed optical system
Wavelength Range	185 - 900 nm. Automatically peak find, a key optical optimization function
Wavelength Accuracy	± 0.15 nm
Wavelength Repeatability	< 0.01 nm
Spectral Bandwidth	0.1, 0.2, 0.4, 0.7, 1.0, 1.4, 2.0 nm (7 steps with automatic changeover)
Baseline Stability	≤ ±0.002A/30 min (Static) ≤ ±0.004A/30min (Dynamic)
Absorbance Range	0 - 4 A
Flame Analytical System	
- Detector	Imported photomultiplier tube
- Burner Head	Full titanium combustion head, 50 mm or 100 mm general combustion head
- Atomization Chamber	Polymer explosion-proof spray chamber
- Nebulizer	Atomizer efficient glass atomizer, can also be customized
- Ignition Type	Microcomputer control, automatic ignition
- Gas Control	Automatic gas control system
- Detection Limits (Cu)	0.002 μg/mL
- Precision	RSD ≤ 0.5%
Graphite Furnace Analytical System	
- Heating Mode	Vertical heating
- Temperature Control Method	Vertical optical temperature monitoring graphite tube wall temperature
- Temperature Range	Room temperature to 3000 °C
- The Program	Automatic temperature control up to 20 order
- Temperature Control	The furnace enriched up to 20 times
- Characteristics Volume	0.4 x 10 - 12 g (Cd)
- Detection Limit: Graphite Furnace Analytical System	0.4 x 10 - 12 g (Cd)
- The Cooling Water	Can choose cooling water circulation system
- Safety	The graphite tube damage, water flow air pressure and other alarm temperature overheating protection
Alt Name	Atomic Absorption Spectrophotometer

APPLICATIONS

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

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com