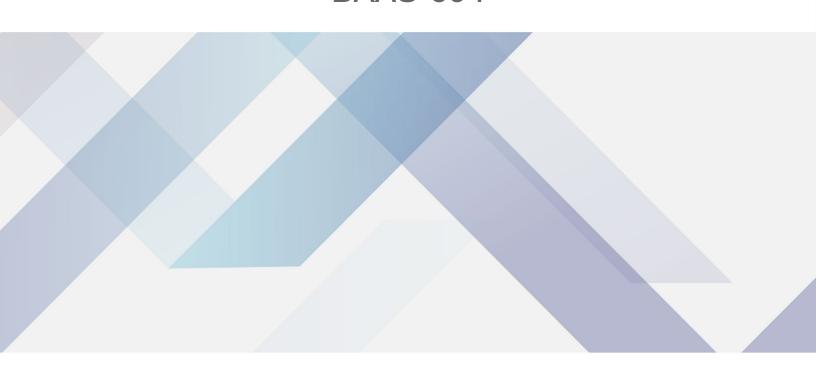# ATOMIC ABSORPTION SPECTROPHOTOMETER BAAS-604

ATOMIC ABSORPTION SPECTROPHOTOMETER BAAS-604

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.

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

BAAS-604 ATOMIC ABSORPTION SPECTROPHOTOMETER

Eight lamp flame/graphite furnace integrated machine. Automatic PC control three light brick, automatic alignment, automatic optimization and automatic ignition. 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-604
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	≤ 8 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 temperingautomatic 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, you can also export WORD, EXCEL document
	Simple and convenient operation, lamp position rotating, automatic ignition through software operating
Communication interface:	Computer and USB interface communication
Power requirements	
	220 V (+5 % ~ -10 %), 50/60 Hz; 5000 VA
Environment temperature	
	+15 ℃ ~ +35 ℃
Relative humidity	
	20 ~ 80 %

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