

Atomic Absorption Spectrometer

Make of equipment: Perkin elmer, USA

Model: AAnalyst 400 atomic absorption spectrometer



Specification:

Dimensions: 70 x 65 (0.46 m²) x 65 cm (W x D x H)

Weight: 49 kg

Power: 100-230 V ($\pm 10\%$), 50/60 Hz ($\pm 1\%$), 300 VA (maximum)

Technical: Classified as a laboratory instrument. Complies with the applicable European Union directives and standards for safety and electromagnetic compatibility for CE Marking, the safety requirements for Canada and the United States for CSA/NRTL certification and the FCC requirements for radio-frequency emissions. The instrument was developed and produced in compliance with ISO 9001.

About the equipment:

Atomic spectroscopy is the technique for determining the elemental composition of an analyte by its electromagnetic or mass spectrum.

Type of analysis possible:

- ✓ 1. Atomic spectroscopy is used for quantitative analysis of metal elements in any sample.
- ✓ 2. It is especially useful to analyze trace metal elements in plasma and other body fluids.
- ✓ 3. To determine metal elements in food industry.
- ✓ 4. To estimate Lead in petroleum products.