

JP 500

Sub-ppm Heavy Metal Analyzer

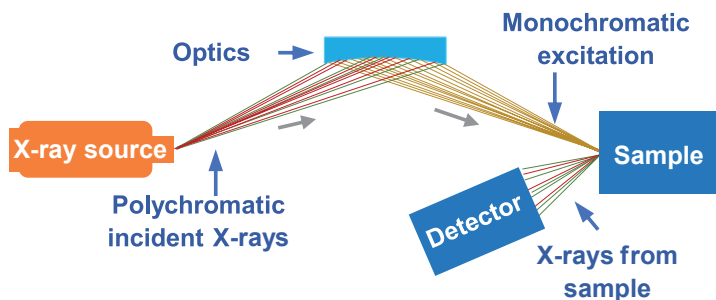
Powered by Monochromatic X-Ray Fluorescence (MXRF) technology, JP500 can rapidly and precisely quantify heavy-metal elements in food. Its excellent performance meets the challenge of reliably measuring extremely low-level Pb, As, and Hg, at the 0.1 ppm level for As and Pb requested by FDA regulations. Testing more samples in a shorter period with accurate, reliable analysis, JP500 is a powerful tool for risk assessments of heavy-metal contamination in food and it enables producers and customers to monitor and reduce the health risks from heavy-metal exposure.

Features

- Ultra-high signal-to-background ratio and ultra-low detection limit;
- Portable design: light-weight, and comfortable to carry;
- Minimum sample preparation enables on-site sampling and quantification.

MXRF Innovative Technology

JP500 is powered by Monochromatic X-ray Fluorescence (MXRF) technology: an elemental-analysis technique offering significantly enhanced detection performance over traditional Energy-Dispersive X-ray Fluorescence (EDXRF) technology. This technique applies state-of-the-art monochromating and focusing optics, enabling dramatically higher signal-to-background ratio compared to traditional polychromatic X-ray Fluorescence.



Specifications

Measuring time	30 - 1200s
Element range	40 elements between Al - U
Data storage & output	Printout, Ethernet, USB, Internal storage, U disk
I/O port	Ethernet 10/100, USB
Working Temp. & Humidity	+41°F - 104°F (5°C - 40°C) 30 - 85%
Power requirements	110 - 240 VAC +/- 10% 50 - 60 Hz Built-in battery 98 Wh
Weight	9 kg
Dimensions	30 x 23 x 26 cm (H x L x W)