

710-ES Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Manufactured By: Varian, now a part of Agilent

The Varian 710-ES ICP-OES

The Varian 710-ES system is a patented compact, bench-mounted simultaneous Inductively Coupled Plasma Optical Emission Spectrometers (ICP-OES) with full PC control of instrument settings and compatible accessories. It features an innovative megapixel CCD detector designed specifically for ICP-OES and provides complete wavelength coverage from 177-785 nm.

The Varian 710-ES ICP-OES Advantages

Advantages of this analytical instrument include:

- Superior plasma performance allows direct analysis of samples ranging from organic solvents to industrial waste and brines, minimizing sample preparation times.
- Varian's innovative cooled cone interface eliminates the use of expensive shear gases, saving you money.
- Advanced optical design with no moving parts and robust plasma generation ensure outstanding reliability, resulting in lower cost of ownership.
- The CCD detector and optimized optical design give excellent signal-to-noise performance, resulting in low detection limits that make the 710-ES series ideal for applications in markets such as WEEE/RoHS and environmental analysis.

	Certified range	Measured value
	mg/kg	mg/kg
• Hg 184.887	4.35 – 4.65	4.60
• Cd 214.439	21.0 – 22.4	21.7
• Pb 220.353	13.1 – 14.5	13.7
• Cr 267.716	17.1 – 18.3	17.5

- Shown above are the results for toxic elements in polyethylene (European Reference Material EC681 Polyethylene) measured on the Varian 710-ES (results corrected for 100-fold dilution). Meet regulatory demands, with confidence and ease.
- The dedicated sample introduction system and axially-viewed plasma of the 710-ES are specifically designed to give maximum sensitivity for routine trace-level applications.
- The 715-ES combines a radially-viewed plasma and efficient sample introduction to achieve maximum robustness, allowing you to analyze the most demanding samples with ease and accuracy.
- Accessories such as the VGA for mercury and hydride forming elements, the AGM for organic matrices, and the USN for environmental samples, provide enhanced performance for the 710-ES series.
- Intuitive, powerful, and easy-to-use ICP Expert II software