

PlaySafe Analyzer for Metals

More Safety, Greater Confidence



Helping to Ensure Child Safety

Headlines in the news continue to warn us about consumer products such as furniture, dishes, cosmetics, and most importantly, toys, contaminated with lead and other harmful metals. The U.S. Food and Drug Administration (FDA), U.S. Consumer Product Safety Commission (CPSC) and the European Union (EU), along with regulatory agencies in other countries are especially concerned about protecting the most sensitive population, children, from this threat.

PerkinElmer has worked with manufacturers to develop the PlaySafe™ Analyzer for metals, the first complete solution for this analysis. Based on the established inductively coupled plasma optical emission (ICP-OES) technology, to rapidly determine a wide range of metals in toys, the system includes everything the laboratory will need for rapid ramp-up.

The PlaySafe Analyzer includes:

- Optima™ 7300 DV ICP-OES instrument, rugged for laboratories in all parts of the globe and supported with service located in over 120 countries
- US or local controller
- Calibration standards
- Customizable standard operating procedure (SOP) to provide step-by-step guidance on instrument operation associated with this method
- Instrument software method for the eight elements specified in the EN-71, part 3
- Application note showing the instrument performance

Upon installation, users receive walk-through training on operating the method.

Part No.	Description
N0770252	PlaySafe Analyzer with controller
N0770253	PlaySafe Analyzer (controller obtained locally)

Example of the type of results obtained from the PlaySafe Analyzer (results in mg/kg in the original material before sample preparation).

	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Yellow Plastic Car	600	14	104	< DL	3400	14800	6.0	< DL
NIST 1579a High Lead Paint	< DL	45	2.7%	20	200	11.8%	< DL	< DL
NIST 2582 Low Lead Paint	< DL	11	1860	< DL	30	205	6.0	< DL

Access our free Toy Safety webcast at
www.ecoanalytix.com/toysafety

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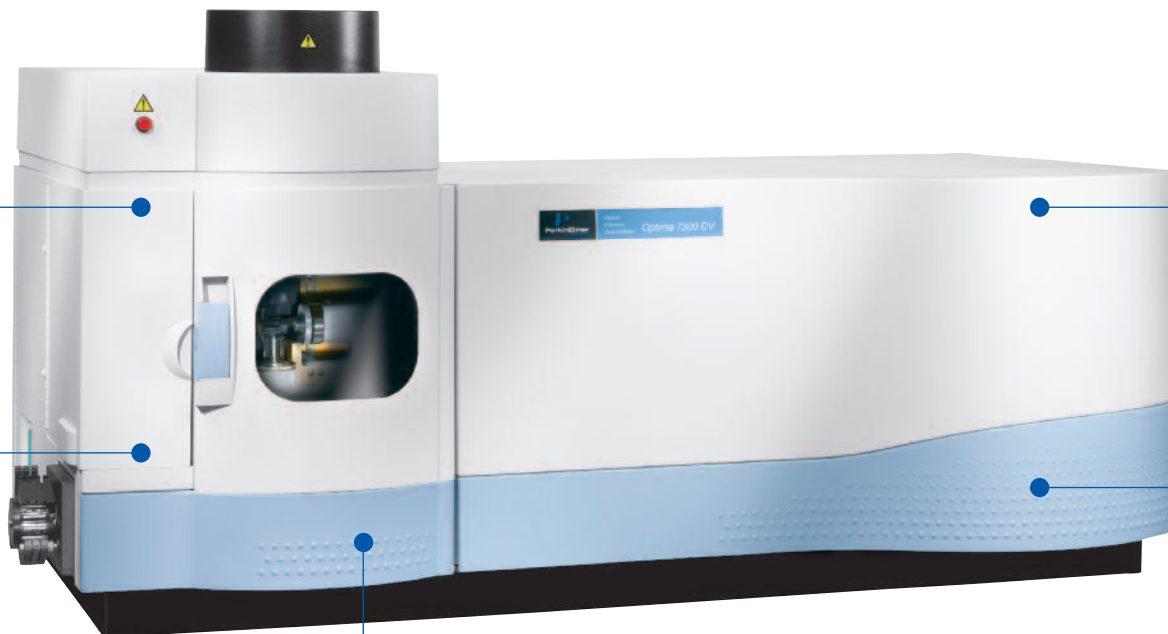
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PlaySafe™ Analyzer for Toxic Metals

EN 71-3, ASTM F963, 8 Toxic Metals



Optima™ 7300 ICP-OES



Simultaneous multi-element analysis capabilities for high sample throughput

Consumables package with calibration standards provides rapid method implementation

Standard operating procedure (SOP) provides rapid setup and correct use of instrument

Enables **collection of all available spectral data** for every sample regardless of elements being determined, saving time

Specific installation and qualification procedures to get the application up and running quickly

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