

## Autosampler Vials - Engineered for Reliable Compatibility - Tech Information

*Date: 30-MARCH-2012 Last Updated: 3-FEBRUARY-2026*

Ensuring that your autosampler vials fit and function perfectly is essential for achieving accurate, reproducible chromatographic results. All autosampler vials offered by MicroSolv are engineered to meet the stringent dimensional and functional requirements of modern HPLC, UHPLC, and LC-MS systems. You can trust that our vials will integrate seamlessly with virtually all commercially available autosamplers.

### **Precision Manufacturing for Guaranteed Fit**

During production, each vial undergoes high-speed opto-electronic dimensional verification. These automated systems inspect every vial within fractions of a second to ensure that critical parameters—such as height, diameter, and thread precision—meet exacting specifications. Any vial that fails to meet these tolerances is automatically rejected and removed from the production line.

### **Comprehensive In-Process and Final Quality Controls**

In addition to real-time in-process inspections, MicroSolv vials are subjected to a final quality-control stage conducted according to DIN/ISO standards. This ensures consistent performance across batches and provides confidence that the vials will load properly, seal securely, and perform reliably under analytical conditions.

### **Confidence in Your Workflow**

Because of this stringent quality assurance, our vials offer worry-free operation, helping prevent issues such as:

- Missed injections
- Autosampler jams
- Variability caused by improper vial dimensions
- Instrument downtime due to consumable misfit

**With MicroSolv vials, your team can focus on generating high-quality data without concerns about vial compatibility.**

**AUTOSAMPLER**  
**VIALS AND CAPS**

Printed from the Chrom Resource Center

Copyright 2025, All Rights Apply

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)