



## Silanized Vials Will Expire When left on The Shelf Prior to Use - HPLC Primer

Date: 10-SEPTEMBER-2024 Last Updated: 17-JUNE-2025

Sealed, silanized autosampler vials can be stored indefinitely under proper conditions, with no practical shelf-life limitations. The silanized surface remains stable and effective as long as the packaging remains unopened and intact.

### Once Opened: Handle with Care

After opening, the silanized surface becomes **susceptible to particle adsorption**, especially from:

- Cardboard fibers (from packaging materials)
- Airborne dust or contaminants

These particles can adhere to the treated surface, potentially compromising the vial's performance—particularly in trace-level or sensitive analyses.

### Best Practices for Storage and Handling:

- Keep vials sealed in their original packaging until use.
- Avoid cardboard storage after opening—use clean, inert containers instead.
- Store in a clean, dry environment, away from direct sunlight and chemical vapors.
- Use gloves or forceps when handling to avoid contamination.
- Follow FIFO (First-In, First-Out) inventory practices to minimize exposure time.

## 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)