

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

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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