

Contamination Control for MICROSOLV Brand Autosampler Vials - Tech Information

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Autosampler Vials Are Packaged to Prevent Contamination

Ensuring that autosampler vials arrive clean, reliable, and ready for analytical use is essential for maintaining data integrity in chromatography workflows. MICROSOLV brand autosampler vials undergo a rigorous packaging process specifically designed to minimize contamination risk and maintain consistent product quality.

High-Temperature Pre-Treatment

Before packaging, every MICROSOLV autosampler vial that carries the CleanPack™ designation passes through a Lehrer oven at approximately 600 °C.

Exposure to this level of heat effectively eliminates:

- Organic residues
- Bacterial contaminants
- Potential particulate matter

This process ensures that the vials begin their post-manufacturing journey in an extremely clean, thermally sterilized state.

Clean Room Packaging Environment

Following high-temperature treatment, CleanPack™ vials are packaged inside a certified Class 10,000 clean room.

This controlled environment:

- Minimizes airborne particulate contamination
- Reduces risk of environmental or human-borne contamination
- Ensures consistently clean vials ready for analytical applications

This combination of thermal purification and clean room handling provides users with highly reliable vials for sensitive chromatography work.

Benefits for the End User

With the CleanPack™ protocol, laboratories can rely on:

- Uncontaminated, analysis-ready vials
- Improved consistency in chromatographic performance
- Reduced background variability due to vial contamination
- Assurance that each lot meets the same controlled preparation standards

These packaging measures are especially advantageous for trace-analysis applications where even minimal contamination can influence results.

AUTOSAMPLER

VIALS AND CAPS

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