

Glass Filters or NIST Traceable Solutions for HPLC Qualification - Tips and Suggestions





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Glass filters have traditionally been used for UV detector verification, but they come with significant limitations. Most importantly, glass filters are not classified as primary standards. This means they lack the traceability and precision required for rigorous HPLC system qualification, especially in regulated environments.

In contrast, the Chemical Solutions brand HPLC Qualification Kits™ include solution-based **primary standards** that are:

- NIST-traceable, ensuring compliance with regulatory and quality assurance requirements.
- Chemically stable and reproducible, providing consistent results across multiple qualification runs.
- Designed specifically for HPLC UV-Vis detector qualification, offering absorbance peaks at critical wavelengths for accurate calibration and performance verification.

Why switch to HSQ Kit solutions?

-  Higher accuracy: Solution standards provide more precise absorbance values than solid-state filters.
-  Regulatory compliance: Primary standards are essential for meeting USP, EP, and FDA guidelines.
-  Broader wavelength coverage: The HSQ Kit includes compounds like holmium oxide and caffeine, covering a wide spectral range.
-  Better simulation of real-world conditions: Liquid standards more closely mimic the optical path and behavior of actual HPLC samples.

If you're qualifying UV detectors for analytical or regulatory purposes, switching to solution-based standards is a best practice that enhances both data integrity and audit readiness.

 Click [HERE](#) for PQ and HSQ Kit™ ordering information and images.