

Parameters Measured with the Chemical Solution Qualification Kits - Tech Information

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The DIY Chemical Solutions brand PQ Kit™ & HSQ Kit™ both include a set of six caffeine solutions with concentrations ranging from 0.20 to 2.0 mg/mL. These concentrations closely match those used in a leading instrument manufacturer's refractive index qualification standards, making them highly relevant for a wide range of HPLC system checks.

What Can You Test with These Solutions?

Using the certified test column, mobile phase, and supplied solutions, the Excel-based PQ template allows you to evaluate key system performance parameters, including:


- Linearity of detector response
- Instrument precision
- Baseline noise
- Signal stability

These tests are designed to provide a verifiable and traceable performance snapshot of your HPLC system.

Customization for Your SOPs

The provided test suite is intentionally generic and flexible, making it suitable for most detectors and lab environments. However, users are encouraged to augment the template with additional tests as needed, such as:

- Detector drift
- Retention time reproducibility
- Injection precision
- Any other metrics required by your internal SOPs or regulatory guidelines.

 Click [HERE](#) for Do It Yourself PQ & HSQ for HPLC Ordering Information.