

HSQ™ Kit for HPLC Compliance

Performance Qualification System - High Speed Qualification

WHAT IS THE HSQ™ KIT?

This HPLC Performance Qualification (PQ) Kit is designed to allow you to test and document your HPLC systems using NIST-traceable standard reference materials. A dedicated, certified test column is provided with the kit to ensure the scientific integrity of the test results. Both isocratic and gradient systems can be qualified with variable wavelength or diode array detectors.

This PQ system is comprised of 4 major components:

- A series of NIST-traceable calibration solutions, with certificate of analysis.
- The HSQ™ test column – Pre-tested for the test protocols with a certificate of performance.
- A validated Excel™ based software template (protected) to compile, calculate and graph the test results.
- A series of test protocols, which can be freely incorporated into your internal SOP.



WHAT DOES IT TEST?

The HSQ™ System can test your HPLC instruments for the following performance characteristics:

System Tests	Pump	Autosampler	Detector
HPLC Extra-Column + Instrument Volume Gradient Dwell Volume	Pump Flow Accuracy Pump Flow Precision Gradient Delivery	Autosampler Precision Autosampler Volume Linearity Autosampler % Carry-over	Detector Short-Term Dynamic Noise Detector Wavelength Accuracy Primary Standard - up to 14 from 241nm - 641nm Secondary Standard @ 205nm + 273nm Detector Linearity over 3 Orders (equivalent to 100% - 0.1%)

THE HPLC PQ KIT IS:

Compliant - Build cGMP compliance and NIST-traceability into your laboratory qualification system. The validated software is readily incorporated into your current document control system for 21 CFR 11 compliance.

Universal - Standard test solutions, dedicated HPLC column and test protocols can help evaluate method transfer and reproducibility issues.

Rapid - Isocratic data in 1 hour (automated & gradient qualifications in about 15 min. per solvent pair).

Easy - Pre-made solutions: a simple binary mobile phase is all that is needed to start your run. Software automatically compiles information, calculates and graphs results; print out and sign.

Flexible - Use included protocols, adapt to internal SOP or use as a training tool.

Economical - Very low cost per qualification. Replacement solutions available. Customer support is always available at no charge.

Cat. No.	Description	For more information visit www.mtc-usa.com
49130-06	NIST traceable test mixture for UV-vis detectors, Caffeine. 30ml bottle. Use for 210nm - 254nm qualification suitable.	
49101-07	The HSQ™ Kit; high speed PQ. HPLC Performance Qualification test kit, complete with 75mm HPLC Column, NIST traceable solutions, accessories and an authorization code to download the most current software and instructions from our website.	
PQA-HOX-01	Wavelength calibration standard for UV-vis. 4% Holmium Oxide in 10% Perchloric Acid. 30ml, manufactured to NIST Std SRM-02034. Chemical Solutions, inc.	
49101-25S	Replacement NIST traceable solutions for use with HPLC Performance Qualification Test Kits.	

MANUFACTURED BY:

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