

Linearity Solutions in the Chemical Solutions HPLC Qualification Kits - Tech Information

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Each linearity solution in the Chemical Solutions Qualification Kits is uniquely formulated with precisely defined concentrations of caffeine, enabling accurate and reproducible assessment of UV detector linearity in HPLC systems.

Key Details:

- The solutions are designed to span a range of concentrations, allowing users to construct a reliable calibration curve and verify detector response across the expected analytical range.
- These concentrations are gravimetrically prepared and traceable, ensuring consistency and compliance with qualification protocols.

Special Note on L3 Solution:

- L3 is the only linearity solution in the kit that contains a uracil peak.
- This uracil serves as a pump flow stability marker and is not involved in the linearity assessment of caffeine.
- Its presence allows users to monitor system performance without interfering with the primary qualification objective.

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