



## Linearity Solutions Composition in the Chemical Solutions Qualification Kits - Tech Information

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Each linearity solution in the Chemical Solutions Qualification kits is prepared using calibrated analytical balances and follows a rigorously validated protocol. The active component is caffeine, precisely dissolved in a solvent mixture of **90:10 acetonitrile to 0.1% acetic acid (v/v)**. This composition is optimized for use in HPLC and other chromatographic systems to assess detector linearity and system performance.

These solutions are ready-to-use and designed to support qualification procedures in regulated laboratory environments. For further technical specifications or documentation, please contact our support team.

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Note: The linearity solutions included in the Chemical Solutions™ brand of Qualification Kits are formulated under ISO 9001 conditions to ensure consistency, traceability, and analytical reliability.

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**MicroSolv Technology Corporation**  
9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900  
Fax: (910) 769-9435  
Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)  
Website: [www.mtc-usa.com](http://www.mtc-usa.com)