



» **Featured Products**

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» **Residual Solvents**

» **Dietary Supplements**

## At Risk for Melamine

Meet new FDA guidance for melamine contamination in at-risk pharmaceutical components.

[Click for GC/MS kit and procedure](#)



### Featured Products

#### Ultra II™ LC Columns

- Universal application for ANY LC System, providing scalability and unsurpassed selectivity on a wide range of particle sizes.
- Available phases: C18, Aqueous C18, C8, Aromax, Biphenyl, Carbamate, IBD, Quat, Silica, PFP Propyl.

[Special Offer!](#) | [More Info](#)



#### Rxi® Capillary GC Columns

- The ultimate high performance fused silica capillary column.
- Featured Application—[Two Options for Analyzing Potential Genotoxic Impurities](#)

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#### HPLC Detector Lamps

- Huge savings on HPLC detector lamps for select instruments.
- Our lamps meet the critical and demanding performance and product lifetime criteria that a pharmaceutical lab requires.

[Special Offer!](#)



#### Certified Autosampler Vial Kits

- National Scientific's certified vial kit provides the extra assurance you need for consistent data quality.
- Each packing includes a certificate of testing.



## Products

### Syringe Filters

- Cost-effective, reliable filtration.
- Protect analytical columns and instruments.
- Achieve more reproducible analyses.

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### USP Residual Solvent Standards

- USP equivalent standards for the revised USP <467> general chapter—compliance without the cost—compare prices today.
- The only complete source for USP <467>.

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### Free Webinars

- LC/MS and GC/MS Analysis of Potential Genotoxic Impurities in Active Pharmaceutical Ingredients (20 minutes)
- The Analysis of Residual Solvent Impurities: Implementing USP <467> Residual Solvents
- Using Phenyl Column Chemistry to Optimize Reversed Phase Separations
- Troubleshooting the Acetonitrile Shortage: Strategies for Today and Tomorrow

[View Webinars](#)



**For more products and applications for pharmaceutical analyses, please use the links to the right.**

## FEATURED LITERATURE

### Ultra II™ LC Columns: The Column Line Designed for Optimal Chromatography on ANY LC System, Based on Highly Inert Restek Silica

Ultra II™ is the first LC column line specifically designed for universal application and completely scalable chromatography, from conventional to ultra-high pressure systems. Available in a wide range of phases, including traditional and unique chemistries.

[lit. cat.# GNTS1177](#) (393kb PDF)



### Resolution Evolution: Biphenyl—Next Generation of Phenyl Columns

Biphenyl columns provide both high hydrophobic retention and aromatic selectivity in the same column. Orthogonal separations can be achieved with simple mobile phase changes, giving markedly better separations for a wide variety of molecules.

[lit. cat.# GNFL1096](#) (523kb PDF)



### Residual Solvent Analysis: Complete Solutions for Residual Solvent Testing

This 12-page reference includes a review of headspace fundamentals, the revised USP <467> method (July, 2008), chromatography for Procedures A, B, and C, and technical tips for optimization. Guidance on fast, effect method development is given.



» [Click here for more pharmaceutical literature.](#)

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## Featured Articles

### **Improve Pass Rates for Residual Solvents by USP <467> Using the new Rxi®-624Sil MS GC Column**

Not all G43 columns are equivalent. New Rxi®-624Sil MS columns reliably produce improved resolution and sensitivity, increasing system suitability pass rates and ensuring more productive laboratory time.

[Find out more](#)



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### **Achieve Faster LC on Any System Using Ultra II™ Columns**

Significant savings can be obtained without the costly upgrade to UHPLC. This famotidine example illustrates how a 90% reduction in analysis time and solvent volume resulted from strategic LC column choices.

[Find out more](#)



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### **Two Options for Analyzing Potential Genotoxic Impurities**

Laboratory needs for analyzing PGIs in API vary. Here we developed both a fast analysis of sulfonate esters on the Rxi®-5Sil MS column, and a comprehensive method for both sulfonate esters and alkyl halides on the Rtx®-200 column.

[Find out more](#)



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### **Explaining the Small Particle Advantage: Faster Sample Throughput on a 1.9µm Pinnacle™ DB column**

Here we demonstrate the importance of stationary phase choice in UHPLC separations. By optimizing selectivity for your analytes of interest faster separations can be achieved without compromising resolution.

[Find out more](#)



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### **Acetonitrile Shortage: Short-Term & Long-Term Solutions**

Resources to assist analytical laboratories in coping with the limited availability of acetonitrile. Ways to reduce solvent consumption, shorten analysis times, and switch to alternative mobile phases.

[Find out more](#)

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