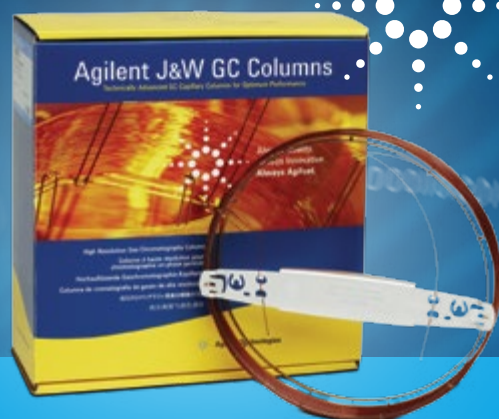


PRODUCTIVITY BEGINS WITH REPRODUCIBLE DETECTION OF HEXANE ISOMERS

The Measure of Confidence



Agilent J&W CP-Select 624 Hexane GC columns

Best separation of hexane isomers and dichloromethane

Residual solvents in pharmaceutical drugs, excipients, drug products, and foods can be dangerously toxic. Rapid, reliable, and reproducible determination of these solvents becomes critical.

You can confidently detect hexane isomers and dichloromethane by choosing highly selective **Agilent J&W CP-Select 624 Hexane GC columns**. Each column is individually tested with application-specific probes, so you can be sure you're getting:

- Consistent column-to-column reproducibility
- Reliable separation of hexane isomers and dichloromethane
- Superior selectivity compared to competitive columns

Download the latest Application Note and proof of performance at:
www.agilent.com/chem/cpselect624hexane



The right choice for pharmaceutical and food processing applications

Agilent J&W CP-Select 624 Hexane GC columns, with an optimized G43 stationary phase, reliably separate dichloromethane from hexane isomers.



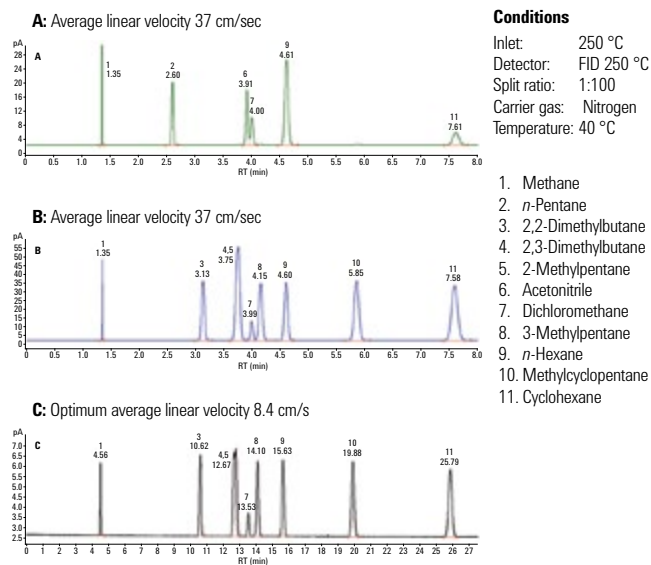
Agilent Technologies

Ensure the highest quality and safety for active pharmaceutical ingredients and food products

Determining residual solvents is one of the most difficult analytical tasks in the pharmaceutical and food processing industry. Agilent CP-Select 624 Hexane columns are specifically designed for the separation of dichloromethane and hexane isomers, and deliver consistent performance for these demanding separations.

Hexane isomers separated from DCM and ACN

High reproducibility and resolution were achieved for these commercial solvents. The components were dissolved in the late-eluting solvent toluene (not shown).

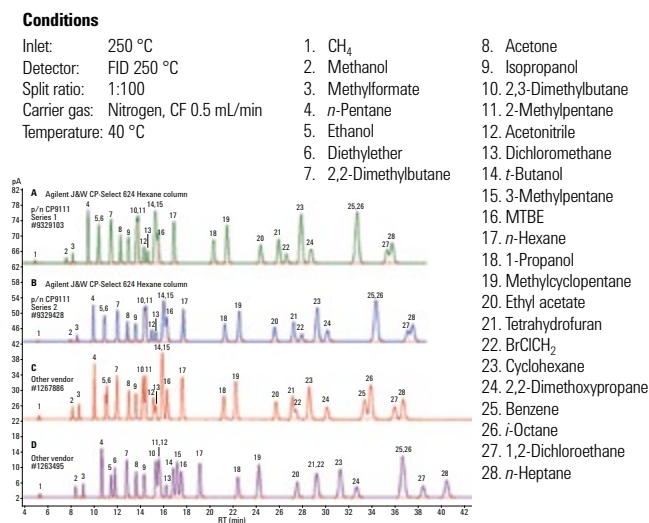


Separation of hexane isomers, acetonitrile, and dichloromethane on an Agilent J&W CP-Select 624 Hexane, 30 m x 0.32 mm, 1.8 µm GC column (p/n CP9111).

Reproducibility comparison: Agilent vs. the competition

Agilent J&W columns exhibited excellent reproducibility over the entire range of solvents, with nearly identical selectivity.

The columns from another manufacturer showed a variable solvent separation pattern, indicating inconsistent liquid phase polarity and column manufacturing. In addition, column C failed to sufficiently separate acetonitrile and dichloromethane according to USP <467>.



Multi-component mixture separated on two Agilent J&W CP-Select 624 Hexane columns from different series (A and B, p/n CP9111) and two columns from another vendor (C and D).

Download the full version of this Application Note 5991-6144EN at www.agilent.com/chem/cpselect624hexane

Ordering Information

Configuration	Part No.
CP-Select 624 Hexane, 30 m x 0.32 mm, 1.8 µm	CP9111
CP-Select 624 Hexane, 60 m x 0.32 mm, 1.8 µm	CP9112
CP-Select 624 Hexane, 30 m x 0.53 mm, 3.0 µm	CP9113

To learn more about Agilent CP-Select 624 Hexane GC columns, go to:
www.agilent.com/chem/cpselect624hexane

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 Published in USA, September 1, 2015
 5991-6192EN

