Description

Agilent ZORBAX Eclipse PAH packing is a polymeric C18 bonding designed to provide the high level of shape selectivity needed for PAH separations. It uses Eclipse Plus silica as its base silica. It provides high resolution separation of 16 PAHs in EPA Method 610. Each batch of materials is specifically tested with PAHs for maximum reproducibility.

Particle Sizes and Dimensions

- 1.8 µm particles (both RRHD, stable to 1200 bar, and RRHT, stable to 600 bar), 3.5 µm, 5 µm
- Lengths: 20 - 250 mm
- IDs: 4.6 mm, 3.0 mm, 2.1 mm, Prep
- Custom options available

Specifications

- Double-endcapped
- Pore size: 95Å
- Surface area: 180 m²/g
- pH 2.0 - 8.0
- Max temperature: 60°C
- Carbon load: 14%

Method Development Notes:

Start with 5% methanol or acetonitrile in water as the initial solvent, and 100% methanol or acetonitrile as the final solvent. We recommend adding 0.1% formic acid in both A and B bottles.

Working with LC/MS

If using LC/MS, we recommend starting with 5 - 10 mM ammonium formate, ammonium acetate, ammonium hydroxide, 0.1% acetic acid or 0.1% formic acid. We recommend against using ammonium bicarbonate.

Applications

- polycyclic aromatic hydrocarbons in water
- soil and food
- fat soluble vitamins (alternative) EPA 610

Buyer Tips

- Ensure zero-dead volume, perfect connections from every user, every time with Agilent Quick Connect fittings. Learn more at www.agilent.com/chem/quickconnect.

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