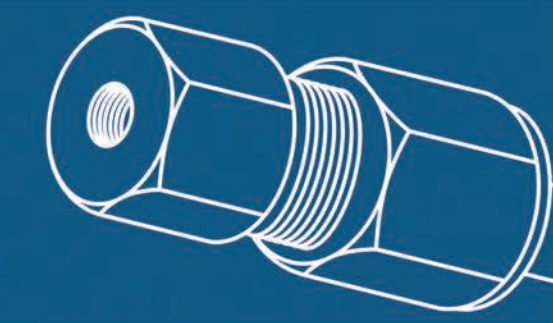
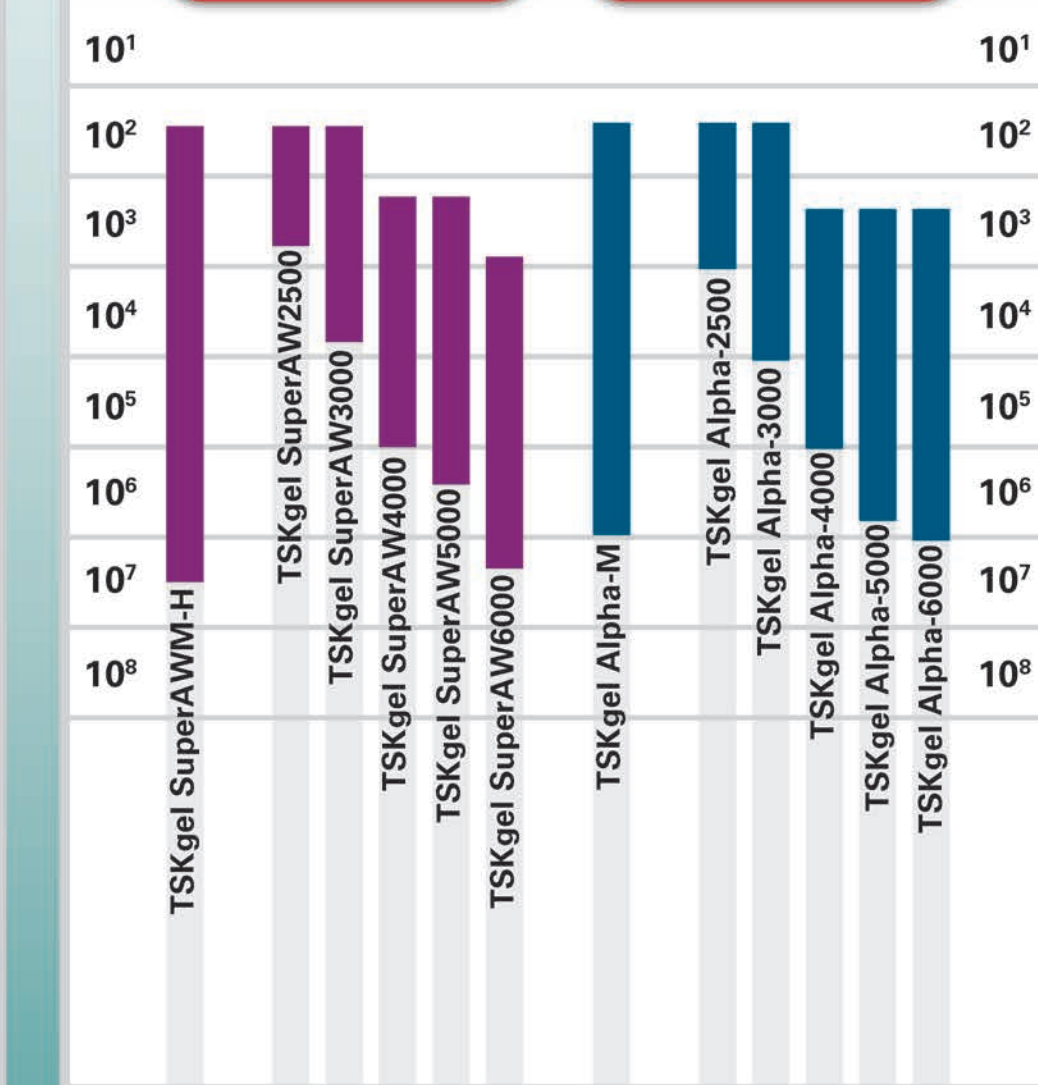
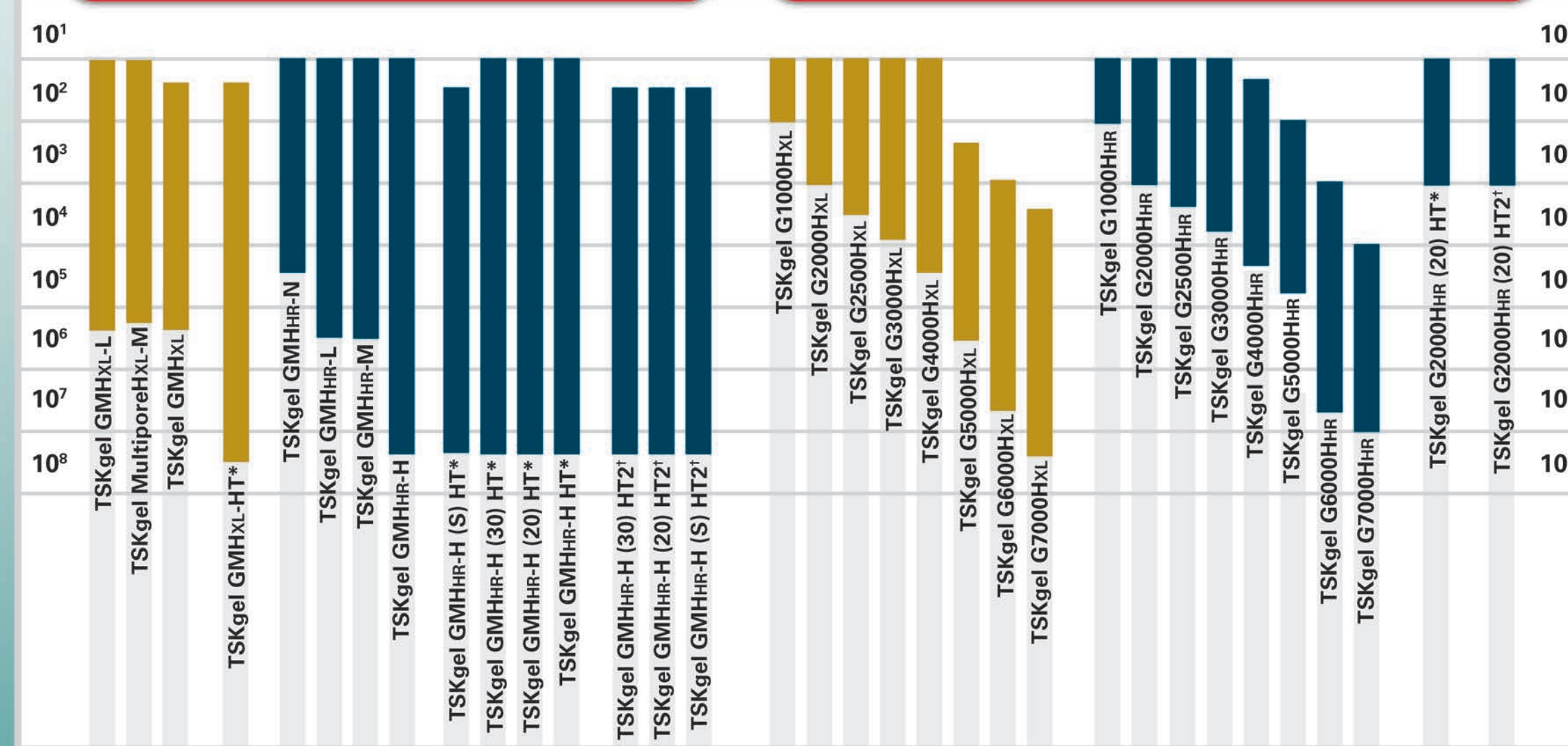
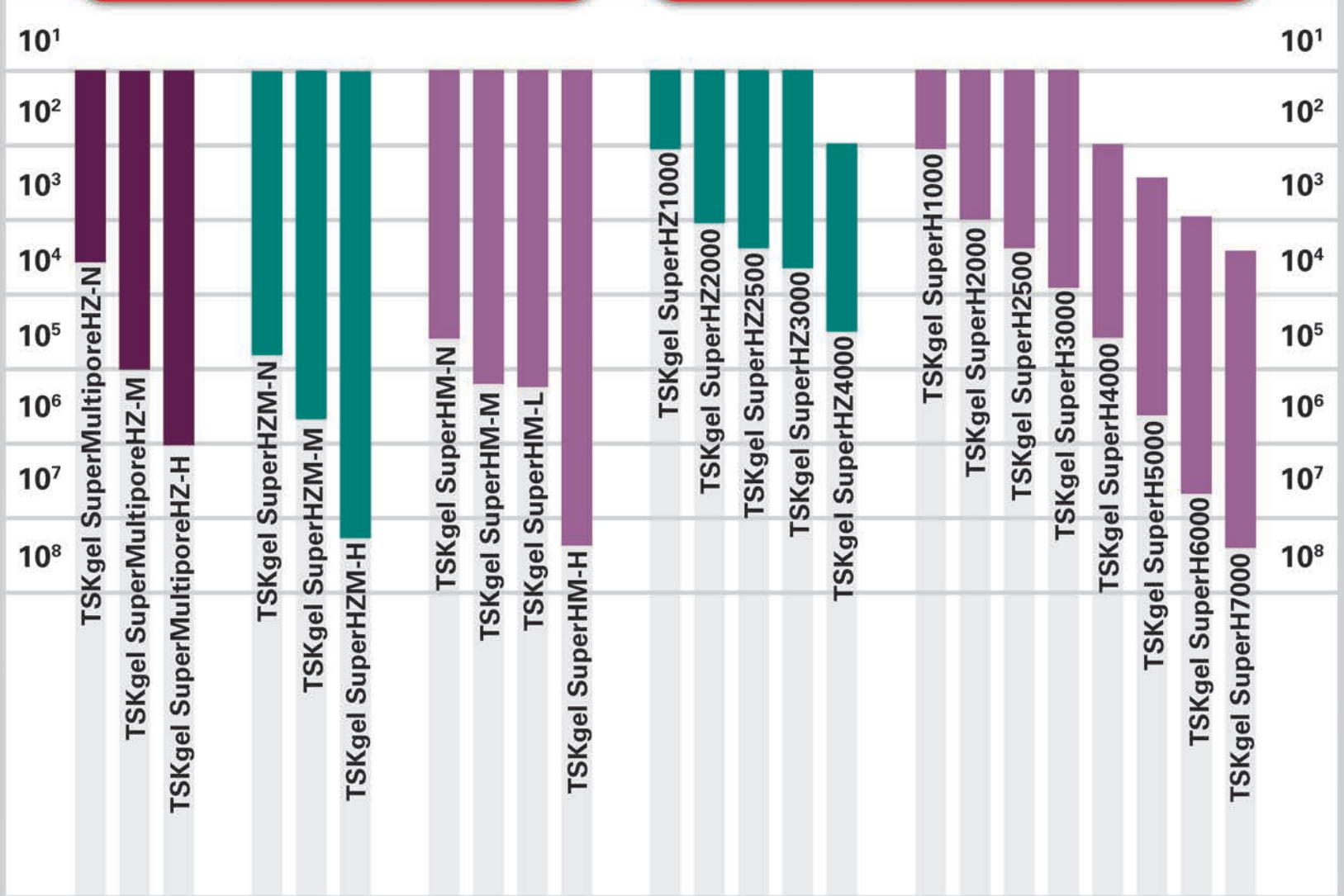
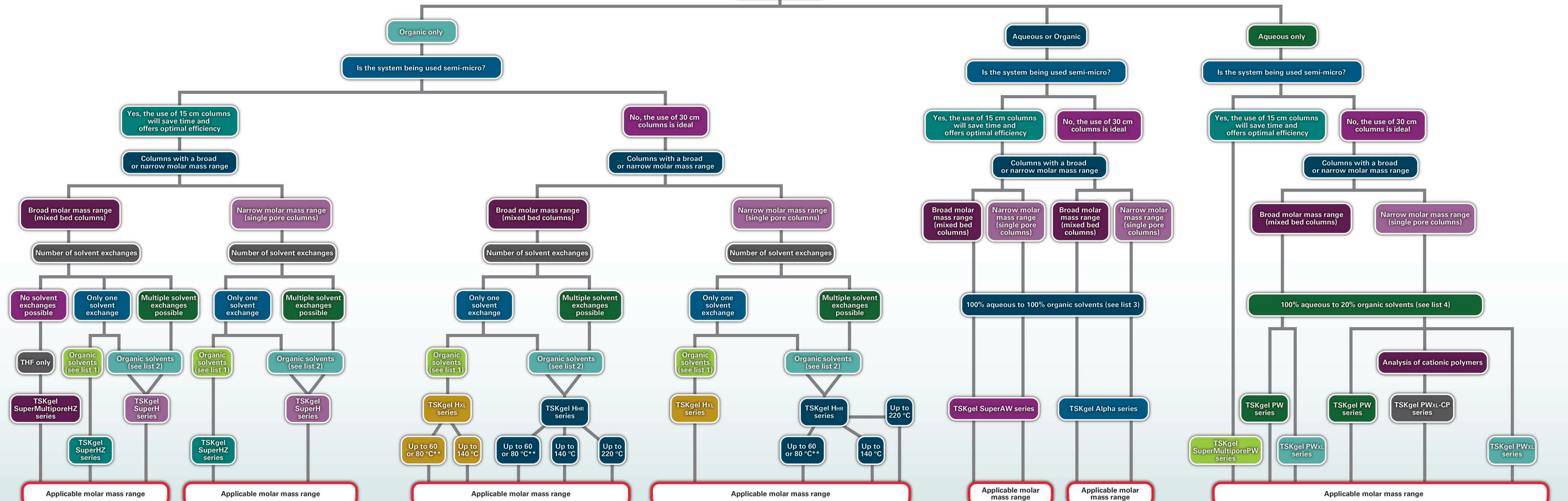


TSKgel® Column Selection Guide for Polymer Analysis



What type of solvent is being used?



List 1: Shipping solvent of tetrahydrofuran can be replaced with: benzene, chloroform, toluene, xylene, dichloromethane or dichloroethane. Shipping solvent of acetone can be replaced with: carbon tetrachloride, dichloromethane, dimethylformamide, dodecane, dimethyl sulfoxide, dioxane, ethylacetate, FC-113, hexane, pyridine, hexafluoroisopropanol/chloroform, methyl ethyl ketone, quinolone or cyclohexane. Shipping solvent of chloroform can be replaced with: m-cresol in chloroform or up to 10% hexafluoroisopropanol/chloroform. Shipping solvent of dimethylformamide can be replaced with: dimethyl sulfoxide, dioxane, tetrahydrofuran or toluene. Shipping solvent of o-dichlorobenzene can be replaced with: 1-chloronaphthalene or trichlorobenzene.

List 2: Shipping solvent of tetrahydrofuran can be replaced with: acetone, ethanol, quinolone, benzene, o-dichlorobenzene, ethyl acetate, dodecane, FC-113, carbon tetrachloride, dichloromethane, dichloroethane, n-hexane, cyclohexane, xylene, chloroform, 1,4-dioxane, hexafluoroisopropanol, toluene, 1-chloronaphthalene, N,N-dimethylacetamide, methyl ethyl ketone, trichlorobenzene, m-cresol, dimethylformamide, methylpyrrolidone, o-chlorophenol/chloroform, dimethyl sulfoxide, and pyridine. *Shipping solvent of o-dichlorobenzene can be replaced with: 1-chloronaphthalene or trichlorobenzene for high temperature GPC analysis up to 140 °C. **Shipping solvent of o-dichlorobenzene can be replaced with: 1-chloronaphthalene or trichlorobenzene for high temperature GPC analysis up to 220 °C. **Upper limit of temperature dependent on solvent and column in use.

List 3: Shipping solvent of water can be replaced with: aqueous buffers, methanol, ethanol, tetrahydrofuran, dimethylformamide, hexafluoroisopropanol, dimethyl sulfoxide, 2-propanol, and acetonitrile.

List 4: Shipping solvent of water can be replaced with: aqueous buffers with up to 20% methanol, ethanol, propanol, acetonitrile, dimethylformamide, dimethyl sulfoxide, formic acid, and acetic acid and up to 50% acetone.

Applicable molar mass range determined based on polystyrene calibration curves.

Applicable molar mass range determined based on polystyrene calibration curves.

Applicable molar mass range determined based on polyethylene oxide (PEO), polyethylene glycol (PEG), and ethylene glycol (EG) standards.

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