TSKgel® SuperH-H Guardcolumn Products

Part Numbers: 18003, Guardcolumn SuperH-H, 4.6 mm ID x 3.5 cm, 3 μm

This sheet contains the recommended operating conditions and the specifications for TSKgel SuperH-H guard columns. Installation instructions and column care information are described in a separate Instruction Manual.

A. OPERATING CONDITIONS

1. Shipping Solvent: Tetrahydrofuran (THF)
2. Max. Flow Rate: 0.8 mL/min / 0.3 -0.6 mL/min
4. Max. Pressure: 4 MPa =40 kg/cm^2 = 600 psi
5. Compatible Solvents:

benzene, chloroform, xylene, toluene, dichloromethane, trichloroethane, dichloroethane, carbon tetrachloride, o-chlorophenol/chloroform, o-dichlorobenzene, dimethylformamide (DMF), dimethylacetamide, dimethylsulfoxide (DMSO), dioxane, n-hexane, cyclohexane, dodecane, hexafluoroisopropanol/chloroform, methylethylketone, N-methylpyrrolidine, acetone, ethanol, 1-chloronaphthalene, trichlorobenzene, methanol/chloroform, pyridine, quinoline, ethyl acetate

Important:

1. After the first solvent exchange, exchanges should be limited to similar polarities.
2. Carbon tetrachloride can corrode stainless steel parts in an HPLC system and in the column.
3. How to Change Solvents**:**
   i. Use a linear gradient at a rate of change of 2% per minute.
   ii. Use a flow rate of ≤0.3 mL/min for 6.0 mm ID columns.

6. Temperature: 25° - 140 °C
7. Sample Size: 1-200 µg depending on sample concentration and MW <50 µL of 5 µg give the best results
8. Storage: The column can be left overnight in solvent in the LC system. When it will not be used for longer periods of time, remove the column from the equipment, seal the ends with the provided protective screws, and store it at laboratory temperature. At all times, prevent air from entering the column.

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