TSK-GEL® SuperQ-5PW Products

18388, guardgel kit for PN 18257 Part Numbers: 18257, 7.5mm ID x 7.5cm, 10μm 18389, guardgel kit for PN 18386 18386, 8.0mm ID Glass x 7.5cm, 10 μm

18390, guardgel kit for PN 18387 18387, 21.5mm ID x 15cm, 13 μ m

Small Ion Capacity: > 0.13 eq/L Counter Ion: Cl

This sheet contains the recommended operating conditions and the specifications for TSK-GEL SuperQ-5PW column. Installation instructions and column care information are described in a separate Instruction Manual.

OPERATING CONDITIONS

Distilled and Deionized Water 1. Shipping Solvent: Column: 50%Methanol/50% Water Guardgel Kit:

02. Max. Flow Rate:

1.2 mL/min (8.0mm ID, glass and 7.5mm ID, SS) 8.0 mL/min (21.5mm ID x 15cm)

When changing solvents, use a flow rate equal to 50% of the maximum flow rate.

Standard Flow Rate: 03

0.5 - 1.0 mL/min (8.0mm ID, glass and 7.5mm ID, SS)

4.0 - 6.0 mL/min (21.5mm ID x 15cm)

Max. Pressure:

1.0 MPa (8.0mm ID glass x 7.5cm)

2.0 MPa (7.5mm ID x 7.5cm and 21.5mm ID x 15cm)

pH Range: 2.0 - 12.0 05.

06. Salt Conc.: ≤ 0.5 mol/L

≤ 20% 07. Organic Conc.:

08 Temperature: 10 - 45°C - Reduce flow rate when operating below 10°C.

09. Cleaning Solvents: (1) 0.1 - 0.2mol/L NaOH, and, if not successful,

(2) 20 - 40% acetic acid aq., or

Aqueous buffer in 30% acetonitrile or methanol, or

Urea or nonionic surfactant in buffer.

NOTE: Clean the column regularly by injecting up to one column volume 0.1 - 0.2mol/L NaOH in 250µl increments.

10. Storage: Store the column in DI water when it will not be used the next day. For overnight storage flush the column with the

low salt concentration mobile phase at 10 - 20% of the maximum flow rate. Prevent air from entering the column!

SPECIFICATIONS В.

The performance of TSK-GEL SuperQ-5PW column is tested under the conditions described in the Data Sheet. All columns have passed the following quality control specifications:

≥ 1,300 (8.0mm ID & 7.5mm ID) Number of Theoretical Plates

> 3,000 (21.5mm ID)

02. Asymmetry Factor (AF): 0.8 - 1.6