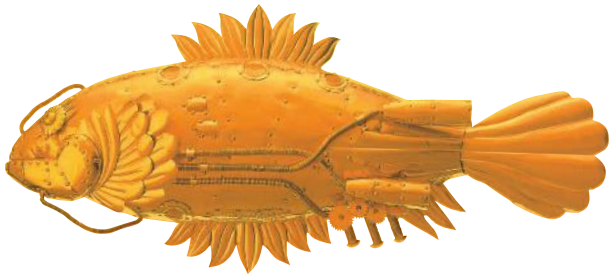
Shodex™



HPLC Columns

MANUAL

RSpak KC-811 6E

SHOWA DENKO EUROPE

Columns manufactured by Showa Denko K.K Japan
Made in Japan

Shodex HPLC Columns
Europe, Middle East, Africa, Russia

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Operation Manual

Shodex™ RSpak™ KC-811 6E

(Please read this manual carefully before using the column to ensure performance and life.)

1. Introduction

Shodex RSpak KC-811 6E is suitable for analyzing cyanide(CN) ion and cyanogen choride (CNCl). Combination of ion chromatograph and postcolumn absorptiometric method is applied to this analysis.

2. Instructions in handling <Important>

Caution! *****Take notice of keeping instructions about the solvents and the reagents used with the column not to occur problems related to losing your health or leaking.

Attention! * Use the column within the regular range of flow rate, pressure and temperature. There is a danger of deteriorating the performance when it is handled beyond the permissible range even for a short time. See the clause "Usable conditions" about the permissible range.

3. Specifications

Column size:	6.0 mmID x 250 mmL.
Column material:	Stainless steel type 316.
Packing material:	Styrene divinylbenzene copolymer.
Functional group:	Sulfo.
Particle size:	6 µm.
Shipping solvent:	0.1% phosphoric acid aqueous solution.
TPN (per column):	> 13,000.

4. Usable conditions

Pressure: <2.5 MPa per column.

Flow rate: <1.0 mL/min.

Temperature: 40~85 °C.

Attention!

1) Do not remove the end fittings of the column under any circumstances.

2) Do not make a strong impact on the column: such as hitting or dropping on the floor.

3) Replace the solvent in the chron1.atograph with the eluent to be used before connecting the column.

4) Connect the column so that the flow direction corresponds to the arrow mark on the tag.

5) When the column is not used for a month or more, replace the in-column solvent with the initial shipping solvent, close each end with a stopper, and store it at room temperature.

6) Filtrate the sample with a disposable filter (0 .45µm) to prevent deterioration by adsorbing insoluble matters.