

CERTIFICATE OF ANALYSIS

LiChroCART® 250-4 HPLC-Cartridge

LiChrospher® 100 RP-18 endcapped (5µm)

79925OE-58K

Cartridge No. 422862 - 422951

Sorbent Lot No. L 54921633

1. PACKING MATERIAL

This batch of packing material has successfully passed all production quality tests regarding our specifications for reproducibility

- Capacity Factor k
- Selectivity (Separation Factors α)
- Efficiency (Plate Number N/m)
- Chemical Stability
- Packing Stability

2. COLUMN TEST

This column has passed all production quality tests with respect to:

- Capacity Factor k
- Efficiency (Plate Number N/m)
- Asymmetry Factor A_s

Specification for Toluene

$N_{\min}/m \geq 50000$

$A_s = 0.8 - 1.4$

Test results for Toluene

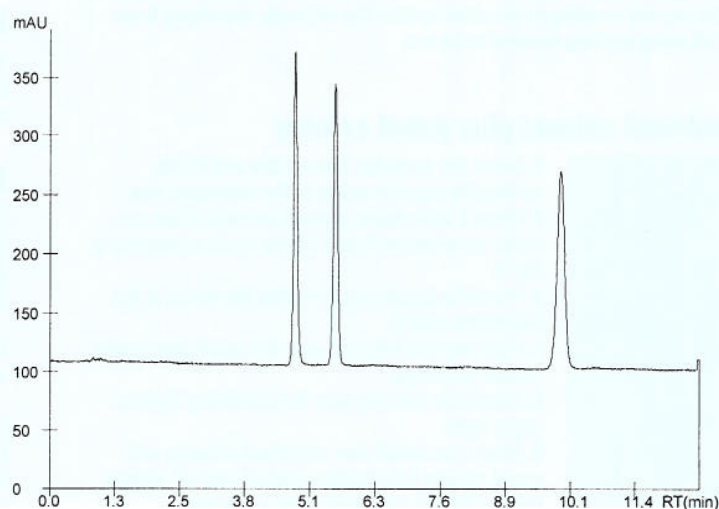
$k = 1.8$

$N/m = 93551$

$A_s = 1.0$

$\Delta p = 75.0 \text{ bar}$

COLUMN PERFORMANCE TEST CHROMATOGRAM



Sample Components

- Toluene (1740 µg/ml)
- Naphthalene (162.5 µg/ml)
- Anthracene (8.8 µg/ml)

Test Conditions

Eluent: Acetonitrile/Water (75/25, v/v)
Flow Rate: 1 ml/min
Inj. Volume: 1 µl
Detection: UV 254 nm
Cell Volume: 2.4 µl
Temperature: ambient

Date 14.05.2004

Dr. Hans D.J. Müller
Quality Assurance Production

This document has been produced electronically and bears no signature.

