

InertSearch™ for LC

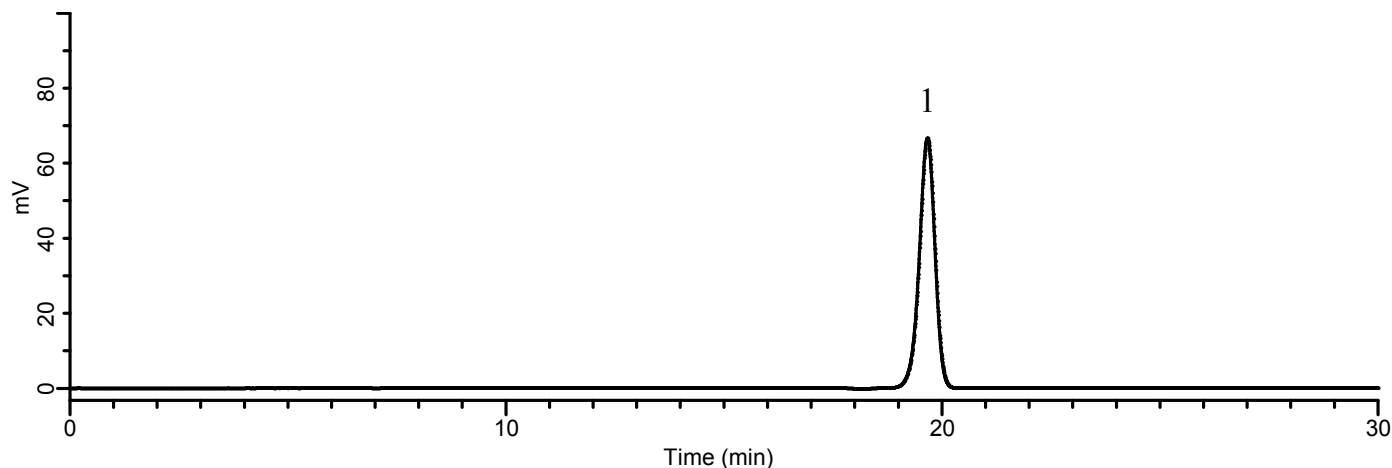
Inertsil™ Applications

Analysis of D-Mannitol

(Under the Condition of the Japanese Pharmaceutical Excipients,
D-Mannitol and Corn starch compound)

Data No. LB542-812

Standard solution of D-Mannitol (2)



Conditions

System : GL7700 HPLC system
Column : InertSphere Sugar-2 (9 μ m, 300 x 7.8 mm I.D.)
Column Cat. No. : 5020-11000
Eluent : H₂O
Flow rate : 0.5 mL/min
Col. Temp. : 85 °C
Detection : RI (RI7754 RI Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. D-Mannitol 5,000 mg/L

Theoretical plates : 14,675 ($\geq 6,000$)
Symmetry factor : (0.8 \leq) 0.92 (≤ 1.5)
RSD of the peak
area of 1 (%) (n=6) : 0.04