

# InertSearch™ for LC

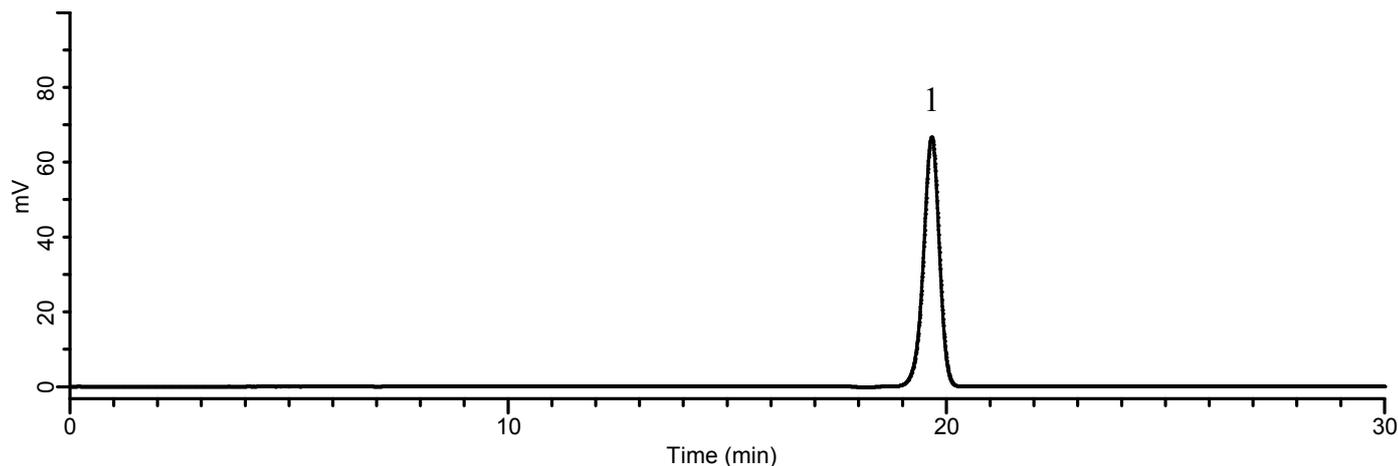
Inertsil™ Applications

## 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  $\mu$  m, 300 x 7.8 mm I.D.)  
**Column Cat. No.** : 5020-11000  
**Eluent** : H<sub>2</sub>O  
**Flow rate** : 0.5 mL/min  
**Col. Temp.** : 85 °C  
**Detection** : RI (RI7754 RI Detector)  
**Injection Vol.** : 20  $\mu$  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 ( $\leq 1.5$ )  
RSD of the peak  
area of 1 (%) (n=6) : 0.04