

# InertSearch™ for LC

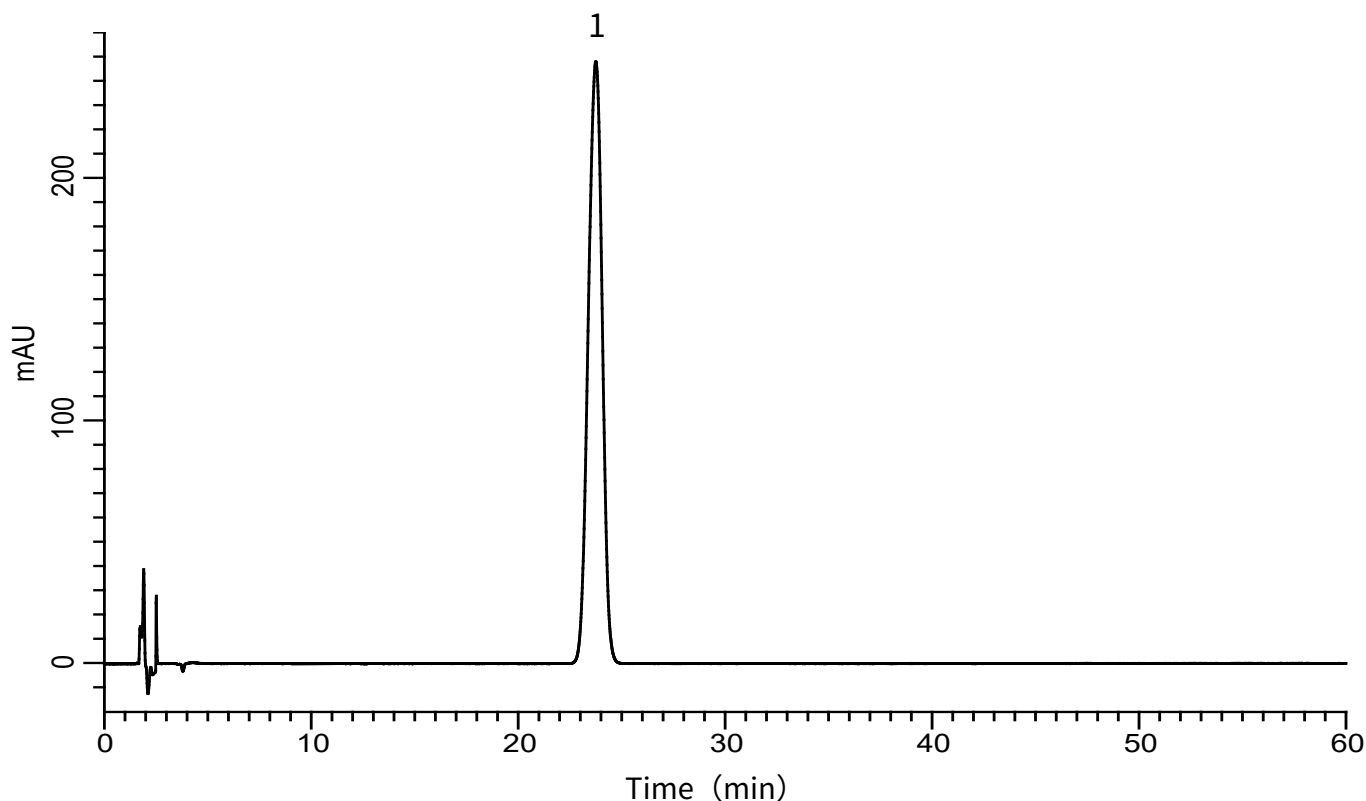
Inertsil® Applications

## Analysis of Ezetimibe

(Under the Condition of USP41-NF36, Ezetimibe Tablets)

Data No. LB550-0812

### Standard solution of Assay



### Conditions

|                        |                                                        |                                     |                |
|------------------------|--------------------------------------------------------|-------------------------------------|----------------|
| <b>System</b>          | : GL7700 HPLC system                                   | <b>Analyte:</b>                     |                |
| <b>Column</b>          | : InertSustainSwift C18 (5 $\mu$ m, 150 x 4.6 mm I.D.) | 1. Ezetimibe                        | 200 mg/L       |
| <b>Column Cat. No.</b> | : 5020-88026                                           |                                     |                |
| <b>Eluent</b>          | : CH <sub>3</sub> CN/THF/Buffer* = 25/10/65, v/v       |                                     |                |
| <b>Flow rate</b>       | : 1.0 mL/min                                           |                                     |                |
| <b>Col. Temp.</b>      | : 40 °C                                                |                                     |                |
| <b>Detection</b>       | : UV 232 nm (PD7752 UV Detector)                       | Symmetry factor (1)                 | : 0.96 (< 1.5) |
| <b>Injection Vol.</b>  | : 30 $\mu$ L                                           | RSD of the peak area of 1 (%) (n=6) | : 0.07 (< 1.0) |
| <b>Sample</b>          | : Standard                                             |                                     |                |

\*6.8 g/L of Potassium dihydrogenphosphate Solution.