

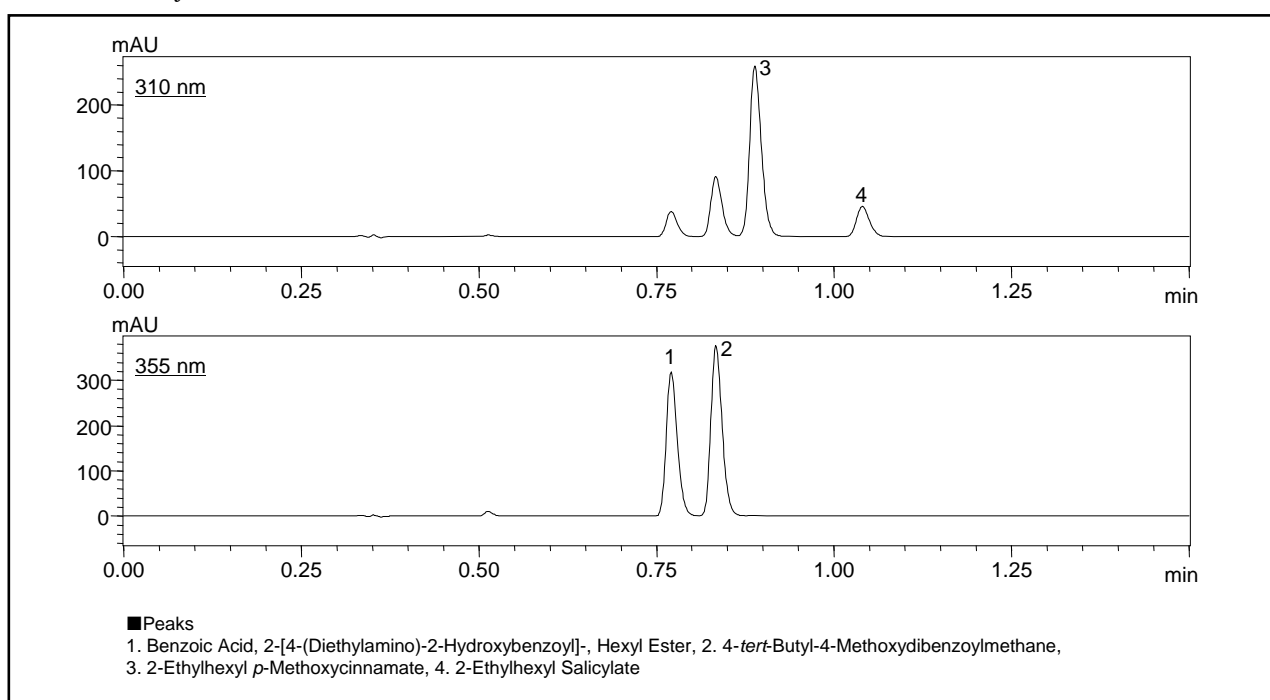
Application Data Sheet

High Performance Liquid Chromatography

No. 67

High-Speed Analysis of Ultraviolet Absorbers (2)

In data sheet No. 66, a high-speed analysis example for 11 ultraviolet absorber components was shown. This data sheet shows a separation of representative four ultraviolet absorber components in shorter analysis time.



Analysis of Ultraviolet Absorbers

[Sample Preparation]

Four ultraviolet absorber components were dissolved with methanol to prepare a concentration of 100 mg/L.

Analytical Conditions

Instrument	: Prominence UFLCXR system
Column	: HALO® C18 (150 mm × 2.1 mm <i>i.d.</i>)
Mobile Phase	: A) 0.085 % Phosphoric Acid in Water B) Acetonitrile A/B = 15/85 (vol./vol.)
Flow Rate	: 0.8 mL/min
Column Temperature	: 60 °C
Detection	: Absorbance at 310 nm and 355 nm with Semi-micro flow cell
Sample Volume	: 2 µL