

InertSearch™ for LC

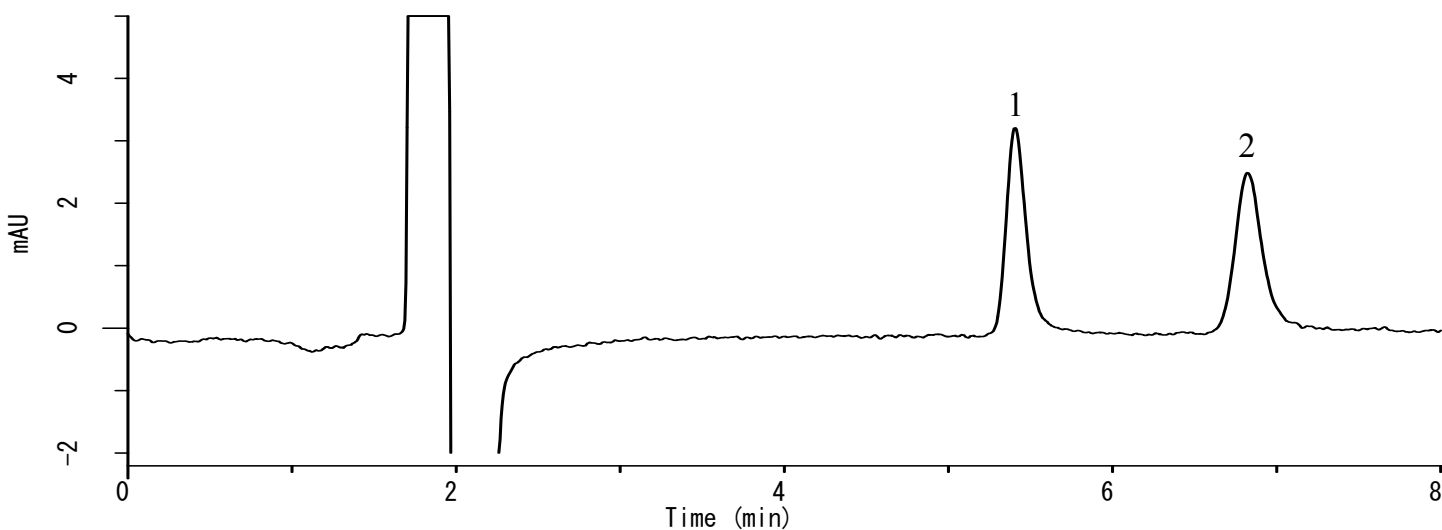
Inertsil® Applications

Analysis of Vitamin C (Inertsil NH2)

Data No. LA631-0696

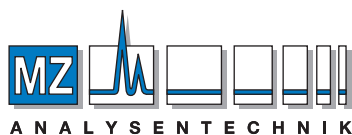
Analyte:

1. Erythorbic acid (5 mg/L)
2. Ascorbic acid (5 mg/L)



Conditions

System : GL-7400 HPLC system
Column : Inertsil NH2 (5 µm, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-05546
Eluent : A) CH₃CN
 : B) H₂O
 : C) CH₃COOH
 : A/B/C = 87/11/2 , v/v/v
Flow rate : 2.0 mL/min
Col. Temp. : 40 °C
Detection : UV 243 nm (GL-7452A PDA Detector)
Injection Vol. : 20 µL
Sample : Vitamin C

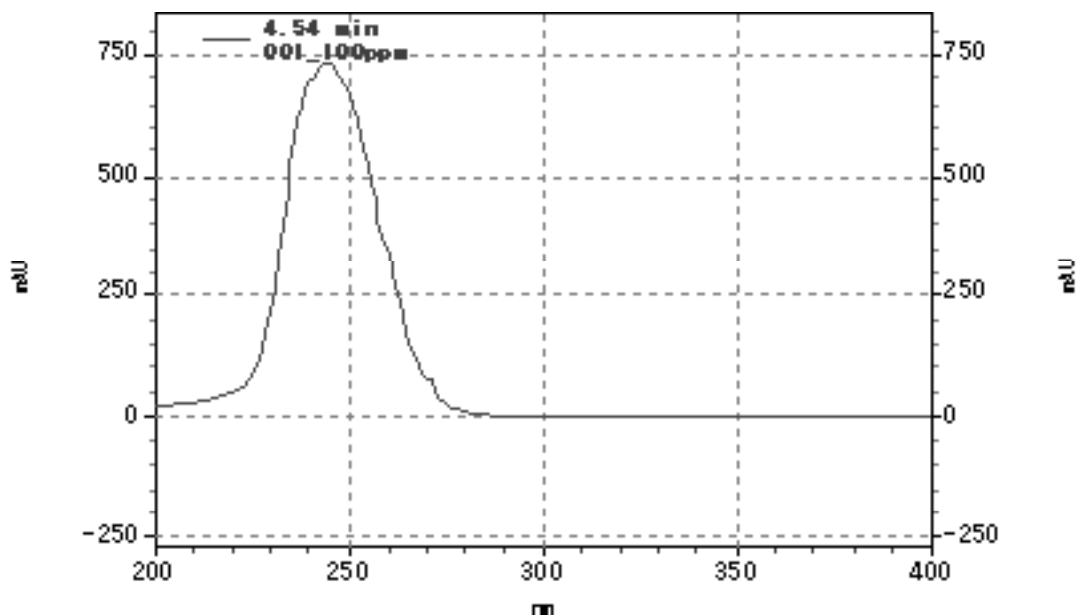


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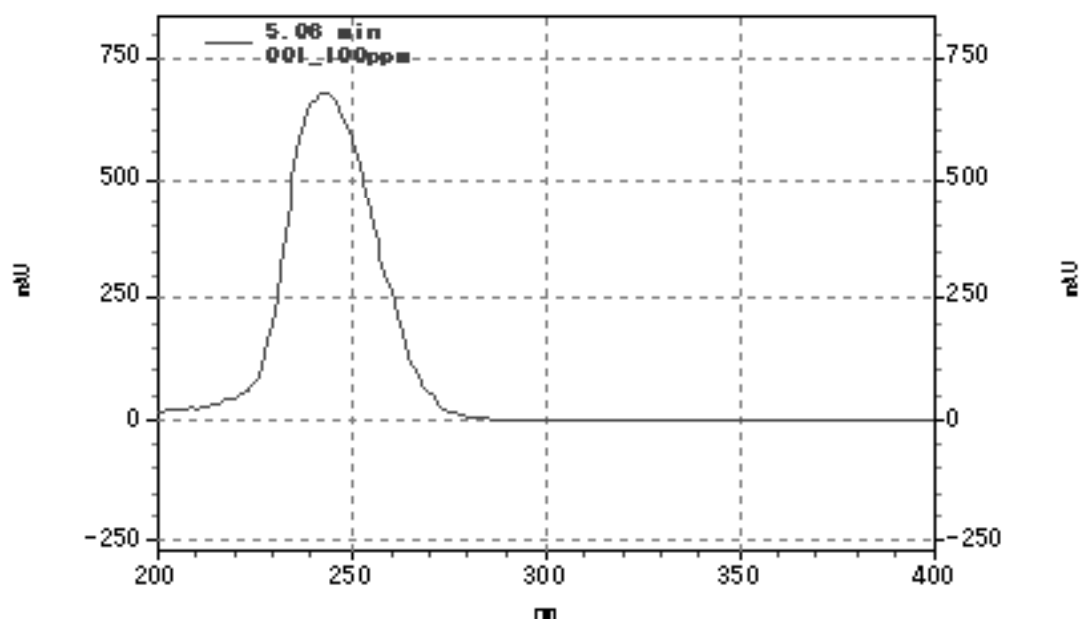
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UV spectrum of Erythorbic acid (ErA)



UV spectrum of Ascorbic acid (AsA)