

# Sweeteners, Artificial

Sample: Aspartame Standard Derivatized with o-phthalaldehyde (OPA), mercapto-propionic acid (MPA) agents, 1  $\mu$ L/injection

Column: Hypersil ODS, 2.1 x 100 mm, 5  $\mu$ m, (P/N: 79916OD-552)

Mobile phase: A = 0.01 mM sodium-acetate, B = methanol

Gradient: start with 5% B  
at 5 min 25% B  
at 10 min 35% B  
at 13 min 55% B  
at 18 min 80% B  
at 20 min 95% B

Flow rate: 0.35 mL/min

Temperature: 40°C

Post time: 5 min

Detection: UV-DAD, 338/20 nm or  
fluorescence  $\lambda$  ex 230,  $\lambda$  em 445 nm

Confirmation: UV-Vis spectral information and retention times

