Application Report 206

Analysis of Parabens Using Ascentis™ C18

This application demonstrates the suitability of the Ascentis C18 for the analysis of parabens.

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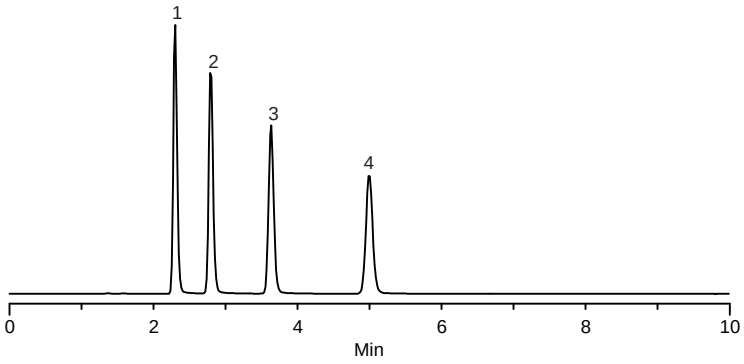
Acquisition System: Cinnabar Waters 2690

Notebook Reference: 1551

Key Words

methyl paraben, 99-76-3, 47889, ethyl paraben, 120-47-8, 111988, propyl paraben, 94-13-3, P5835, butyl paraben, 94-26-8, H9503, Ascentis C18, 581324-U



G002849

Conditions

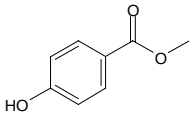
column:	Ascentis C18, 15 cm x 4.6 mm I.D., 5 µm particles (581324-U)
mobile phase:	45:55, water:acetonitrile
flow rate:	1.0 mL/min.
temp.:	35 °C
det.:	UV at 254 nm
injection:	10 µL
sample:	as indicated in mobile phase

Peak IDs

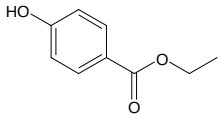
1. Methyl paraben (50 µg/mL)
2. Ethyl paraben (50 µg/mL)
3. Propyl paraben (50 µg/mL)
4. Butyl paraben (50 µg/mL)

Structures

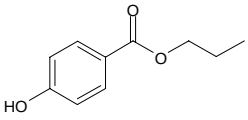
Methyl paraben - G000194



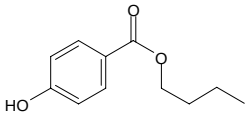
Ethyl paraben - G002626



Propyl paraben - G000196



Butyl paraben - G002848



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