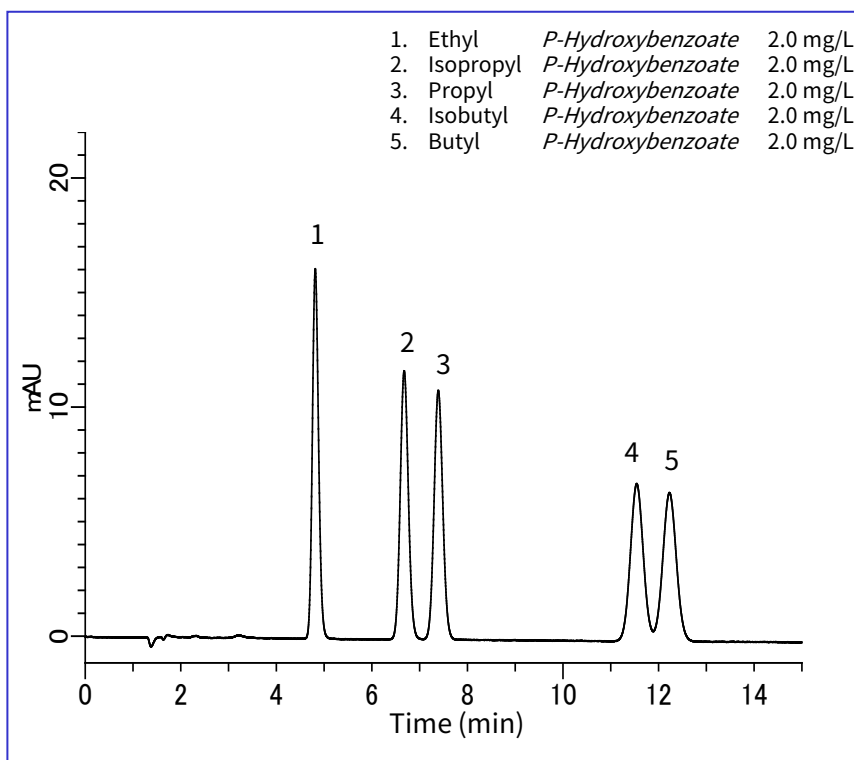


In this application parahydroxybenzoate (parahydroxybenzoate) was analyzed in accordance with the Food Sanitation Inspection Guidelines.

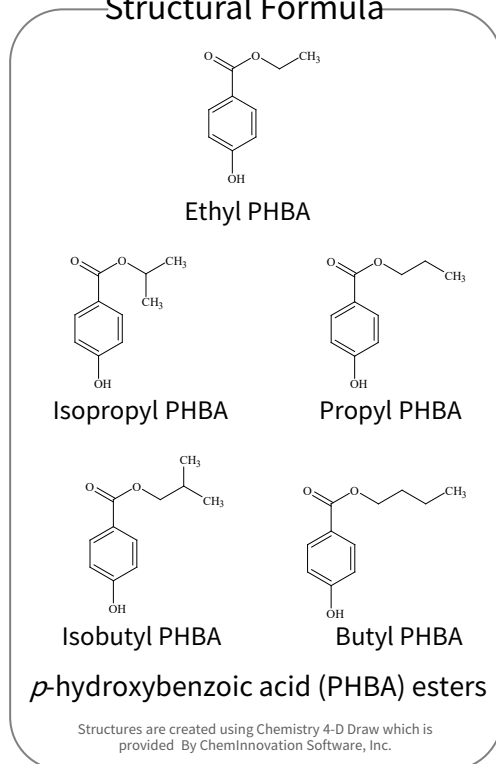
Parahydroxybenzoic acid esters, are more commonly called parabens and are widely used as preservatives in cosmetics and foods. The analysis of these preservatives is presented here.

Example: Measurement of standards

(K.Suzuki)



Structural Formula



HPLC conditions

Column : Inertsil ODS-3
(5 μ m, 150 x 4.6 mm I.D.)

Eluent : A) CH₃ OH
B) Citric acid Buffer
A/B = 60/40, v/v
(Mixed by a gradient mixer)

Flow rate : 1.0 mL/min

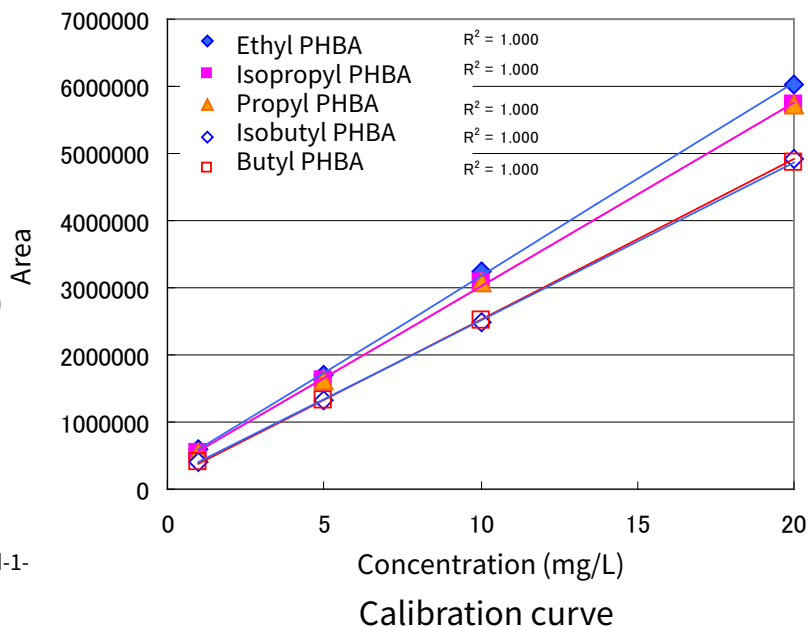
Column temperature : 40 °C

Detected : UV 270 nm

Injection volume : 20 μ L

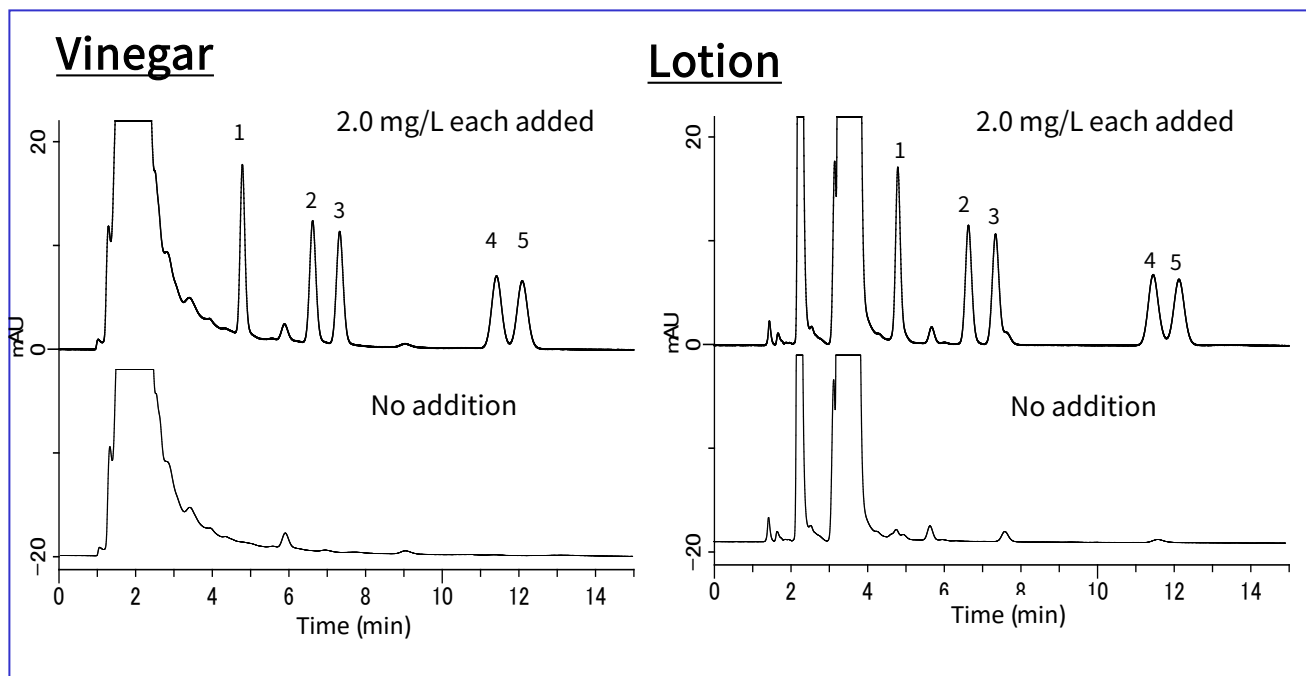
Citric acid Buffer:

0.6 g of 3 sodium citrate-2-hydrate and 0.7 g of citric acid-1-hydrate are dissolved in 1 L of ultrapure water



Example of analysis

For pretreatment, steam distillation is described in the test method. In this test, samples were diluted and filtered through a 0.45 μm filter.



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