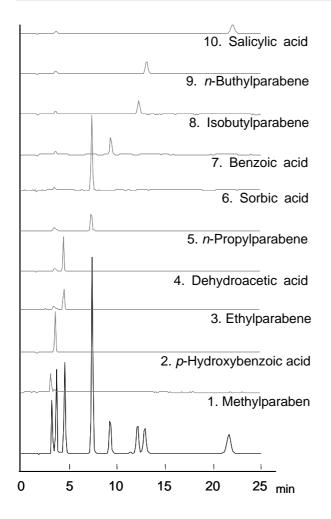
防腐剤

Antiseptics



- メチルパラベン (10 μg/mL)
 Methyl 4-hydroxybenzoate (M.W. 152.1)
- 2. ρ-ヒドロキシパラベン (10 μg/mL) ρ-Hydroxybenzoic acid (M.W. 138.1)
- 3. エチルパラベン (10 μg/mL) Ethyl 4-hydroxybenzoate (M.W. 166.2)
- 4. デヒドロ酢酸 (10 μg/mL) Dehydroacetic acid (M.W. 168.1)
- 5. *n*-プロピルパラベン (10 μg/mL) Propyl 4-hydroxybenzoate (M.W. 180.2)
- 6. ソルビン酸 (10 μg/mL) Sorbic acid (M.W. 112.1)
- 7. 安息香酸 (10 μg/mL) Benzoic acid (M.W. 122.1)
- 8. イソブチルパラベン (10 μg/mL) Isobutyl 4-hydroxybenzoate (M.W. 194.2)
- 9. *n-*ブチルパラベン (10 μg/mL) Butyl 4-hydroxybenzoate (M.W. 194.2)
- 10. サリチル酸 (10 μg/mL) Salicylic acid (M.W. 138.1)

[HPLC Conditions]

Column : CAPCELL PAK C₁₈ UG120 S5 ; 2.0 mm i.d. x 150 mm

Mobile phase : Cetyltrimetyl ammonium chloride was added to a solution (50

 $mmol/L NaH_2PO_4 / CH_3OH / CH_3CN = 50 / 35 / 15) at 4 mmol/L.$

Flow rate : 200 μ L/min

Temperature : 40 °C
Detection : UV 235 nm

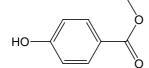
Inj. vol. : $2 \mu L$

Sample dissolved in : Each standard was dissolved in methanol at 1 mg/mL. 10 μL of

all the solutions were added together, and diluted to 1 mL with

the mobile phase.

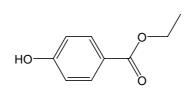
 \Re 1 μ g/mL = 1 ppm

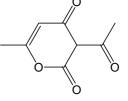


НО

1. Methyl 4-hydroxybenzoate

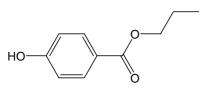
2. p-Hydroxybenzoic acid





3. Ethyl 4-hydroxybenzoate

4. Dehydroacetic acid



5. Propyl 4-hydroxybenzoate

6. Sorbic acid

7. Benzoic acid

8. Isobutyl 4-hydroxybenzoate

9. Butyl 4-hydroxybenzoate

10. Salicylic acid