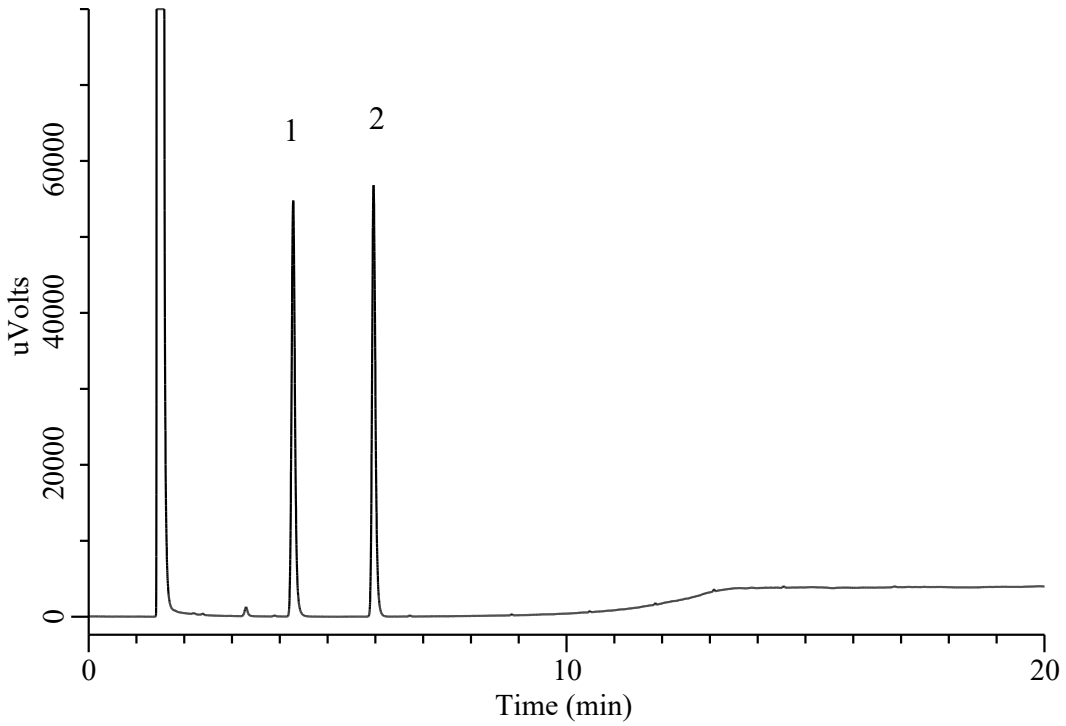
# Analysis of Benzyl alcohol

**(Under the Condition of the draft for USP-NF, Ciclopirox Cream, CONTENT OF BENZYL ALCOHOL)**
**(Under the Condition of the draft for USP-NF, Ciclopirox Topical Suspension, CONTENT OF BENZYL ALCOHOL)**




## Conditions

**System** : GC-4000 Plus system
**Column** : InertCap Pure-WAX (GL Sciences Inc.)
0.32 mm I.D. x 30 m df = 0.25 µm
**Col. Cat. No.** : 1010-68142
**Col. Temp.** : 150 ℃ (5min) - 10 ℃/min - 230 ℃ (7min)
**Carrier Gas** : He 2.0 mL/min, Constant Flow
**Injection** : Split 20 mL/min
200 ℃
**Detection** : FID Auto Range
300 ℃
**Injection vol.** : 1.0 µL

## Analyte

1. Benzyl alcohol 0.2 mg/mL
2. Phenol 0.2 mg/mL

Analyte in $CHCl_3/CH_3OH$=80/20 (v/v)

Relative retention times
Benzyl alcohol : 1.0 (RT=4.278)
Phenol : 1.39 (RT=5.960)

Tailing factor (1) : 1.19 (≦ 2.0)

RSD of
the peak ratio of (1, 2) : 0.09 % (≦ 2.0)