

Preservative of Cosmetic Analysis (13 mix + IS) – UHPLC(1)

1. Analytical Condition

ChroZen UHPLC System

Sample : Preservative 13 Mix. + IS (Internal Standard)

Mobile phase : Gradient

A : 1% Phosphoric acid in 10% ACN

B : 1% Phosphoric acid in 70% ACN

Flow rate : 0.5 mL/min

Column : HSS C18 (2.1 x 100 mm, 1.8 μm)

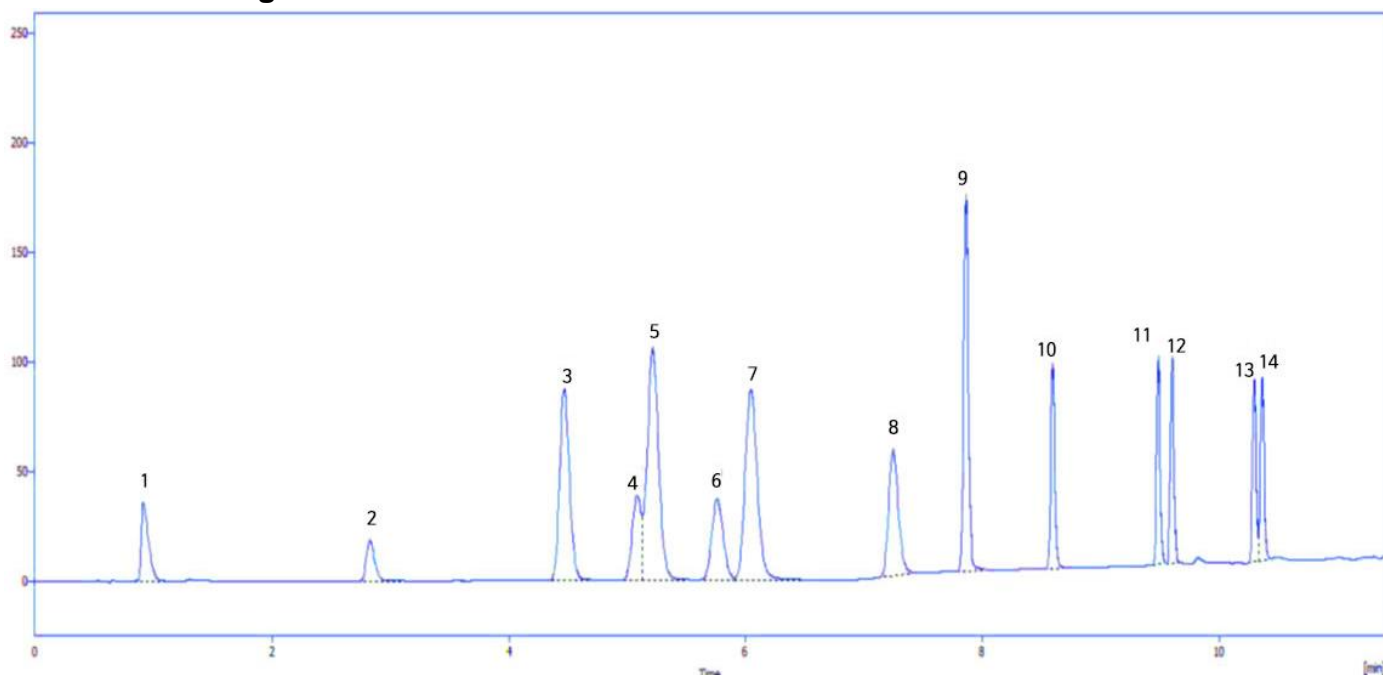
Detector : UV/Vis, 220 nm

Column temp. : 30 °C

Injection volumn: 1.0μL

Time	A(%)	B(%)
Initial	92	8
6	88	12
9	35	65
12	0	100
12.5	92	8

2. Chromatogram



1. Acetaminophen
2. benzyl alcohol
3. 1-Phenoxyethanol
4. Sorbic acid
5. benzoic acid
6. Methylparaben
7. Chlorphenesin
8. DHA ; Dehydroacetic Acid
9. salicylic acid
10. Ethylparaben
11. Isopropylparaben
12. Propyl 4-hydroxybenzoate
13. Isobutylparaben
14. Butyl 4-hydroxybenzoate