

Preservative of Cosmetic Analysis (13 mix + IS) – UHPLC(2)

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 : Poroshell 120 EC-C18 (2.1 x 100mm, 2.7 μ m)

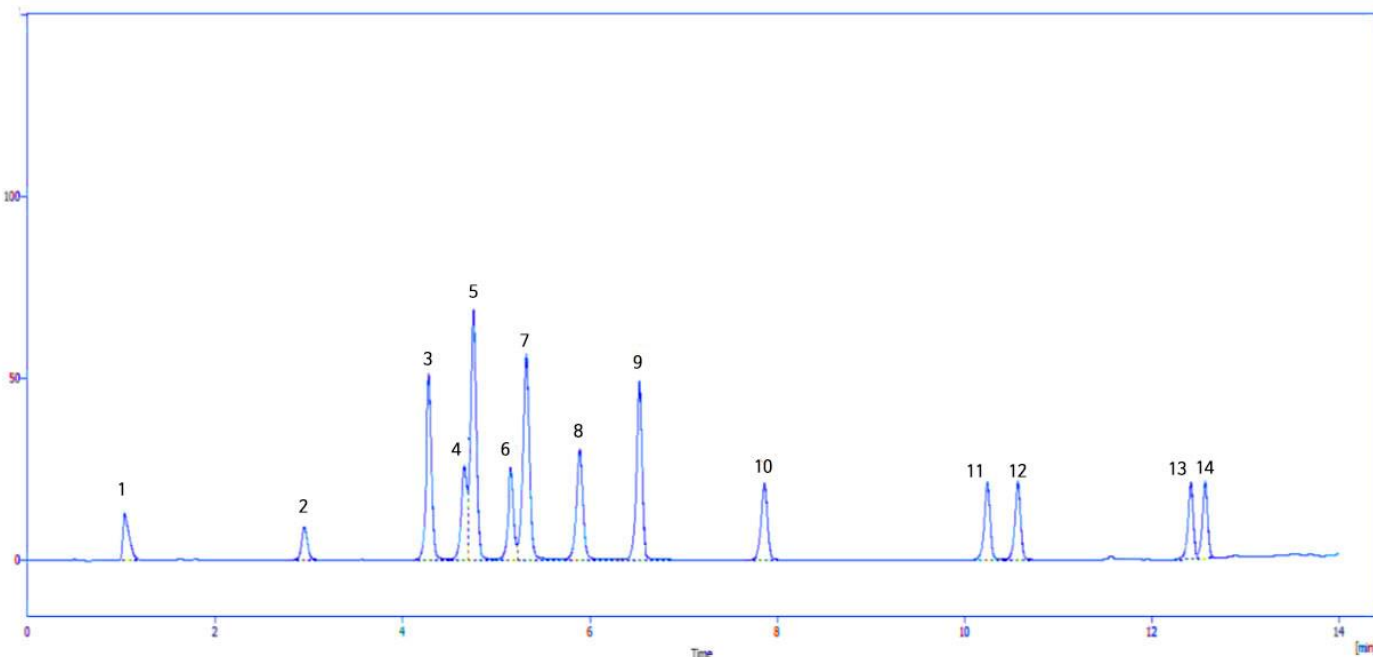
Detector : UV/Vis, 220 nm

Column temp. : 30 °C

Injection volumn: 1.0 μ L

Time	A(%)	B(%)
Initial	100	0
8	70	30
12	45	55
13	25	75
13.5	25	75
14	100	0

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