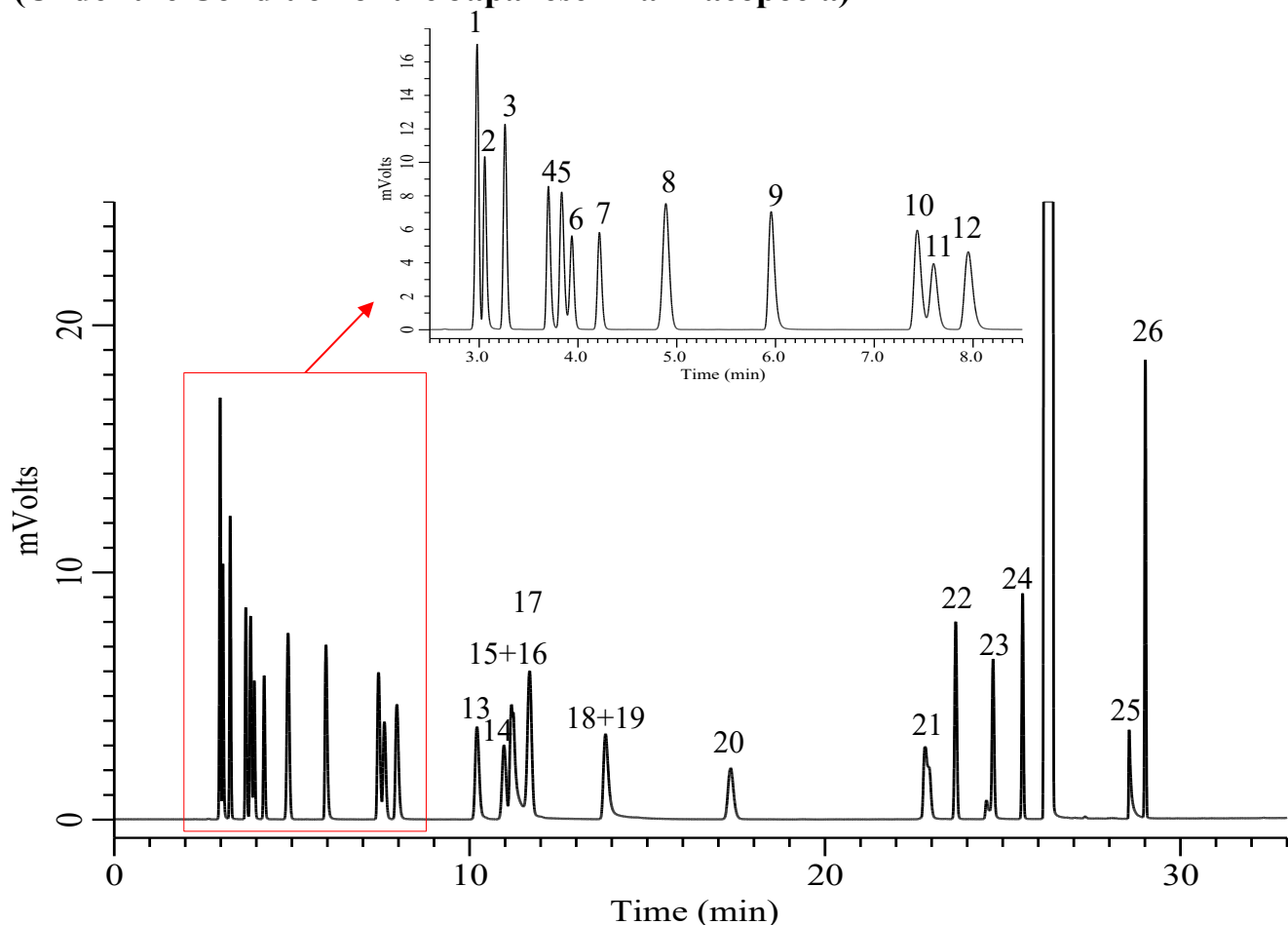


Analysis of residual solvents in pharmaceuticals (Class 3)

(Under the Condition of the Japanese Pharmacopoeia)



Conditions

System : GC-4000Plus/FID
Column : InertCap 624MS
 (GL Sciences Inc.)
 0.32 mm I.D. x 30 m
 df = 1.80 μ m
Col. Cat. No. : 1010-64747
Col. Temp. : 40 $^{\circ}$ C(20 min) - 10 $^{\circ}$ C/min
 - 240 $^{\circ}$ C(20 min)
Carrier Gas : He 2.20 mL/min
 Constant Flow
Injection : Split 20:1
 140 $^{\circ}$ C
Detection : FID Auto Range
 250 $^{\circ}$ C
Sample Size : 0.1 μ L
 2000 μ g/mL in
N,N-Dimethylformamide

Analyte

1. Ethanol	17. Heptane
2. Pentane	18. Acetic acid
3. Diethyl ether	19. 1-Butanol
4. Acetone	20. Propyl acetate
5. 2-Propanol	21. Isoamyl alcohol (3-Methyl-1-butanol)
6. Ethyl formate	22. Isobutyl acetate
7. Methyl acetate	23. Amyl alcohol (1-Pentanol)
8. Methyl <i>t</i> -butyl ether	24. Butyl acetate
9. 1-Propanol	25. Dimethyl sulfoxide
10. Methyl ethyl ketone	26. Anisole
11. Ethyl acetate	
12. 2-Butanol	
13. Isobutanol (2-Methyl-1-Propanol)	
14. Isopropyl acetate	
15. 2-Methyltetrahydrofuran	
16. Triethylamine	