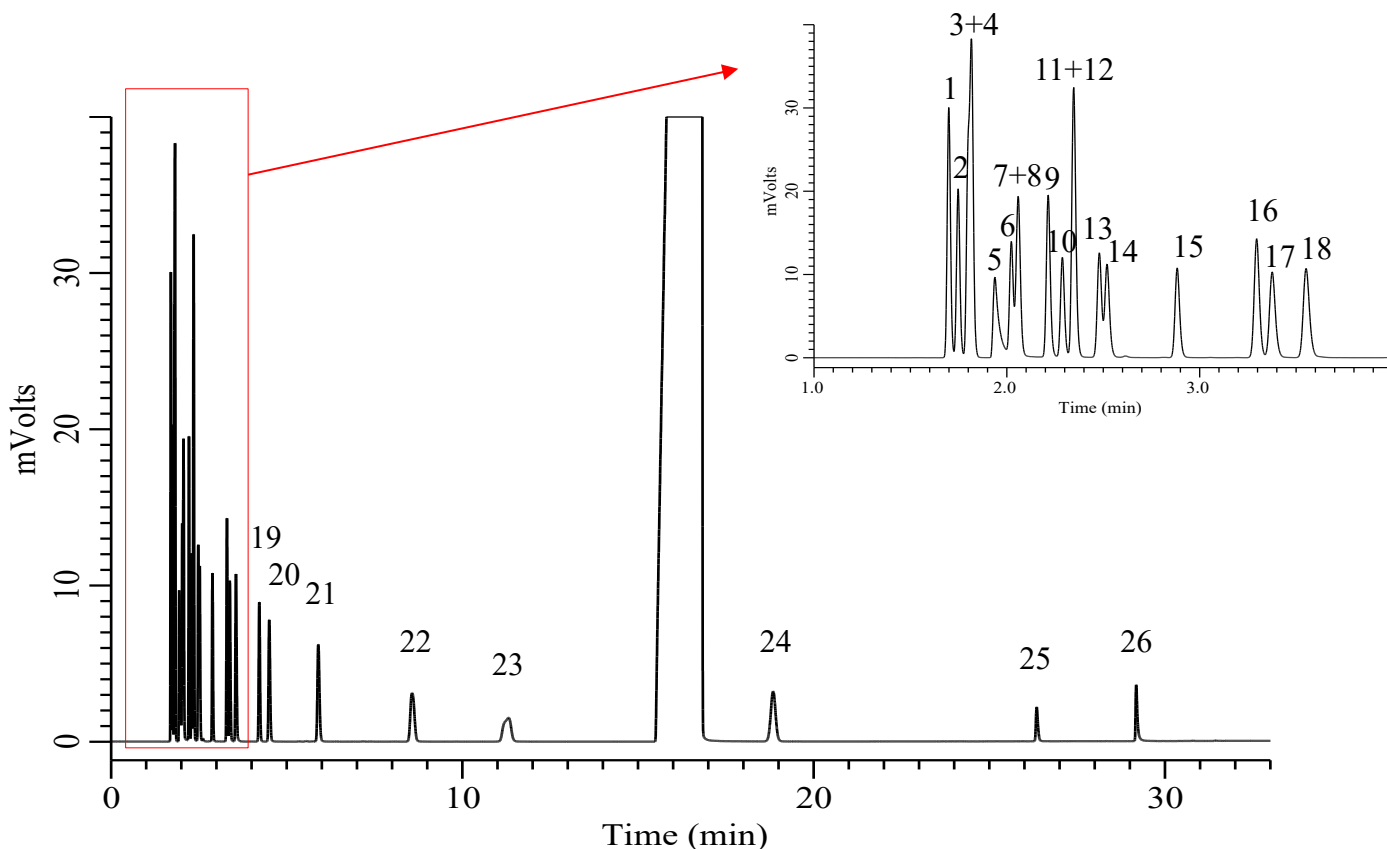


## Analysis of residual solvents in pharmaceuticals (Class 3) (Under the Condition of the Japanese Pharmacopoeia)



### Conditions

**System** : GC4000Plus/FID  
**Column** : InertCap Pure-WAX  
 (GL sciences Inc.)  
 0.32 mm I.D. x 30 m  
 df = 0.25  $\mu$ m  
**Col. Cat. No.** : 1010-68242  
**Col. Temp.** : 50 °C(20 min) - 6 °C/min  
 - 165 °C(20 min)  
**Carrier Gas** : He 2.20 mL/min  
 Constant Flow  
**Injection** : Split 20:1  
 140 °C  
**Detection** : FID Auto Range  
 250 °C  
**Sample Size** : 0.1  $\mu$ L  
 2000  $\mu$ g/mL in  
*N,N*-Dimethylformamide

### Analyte

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