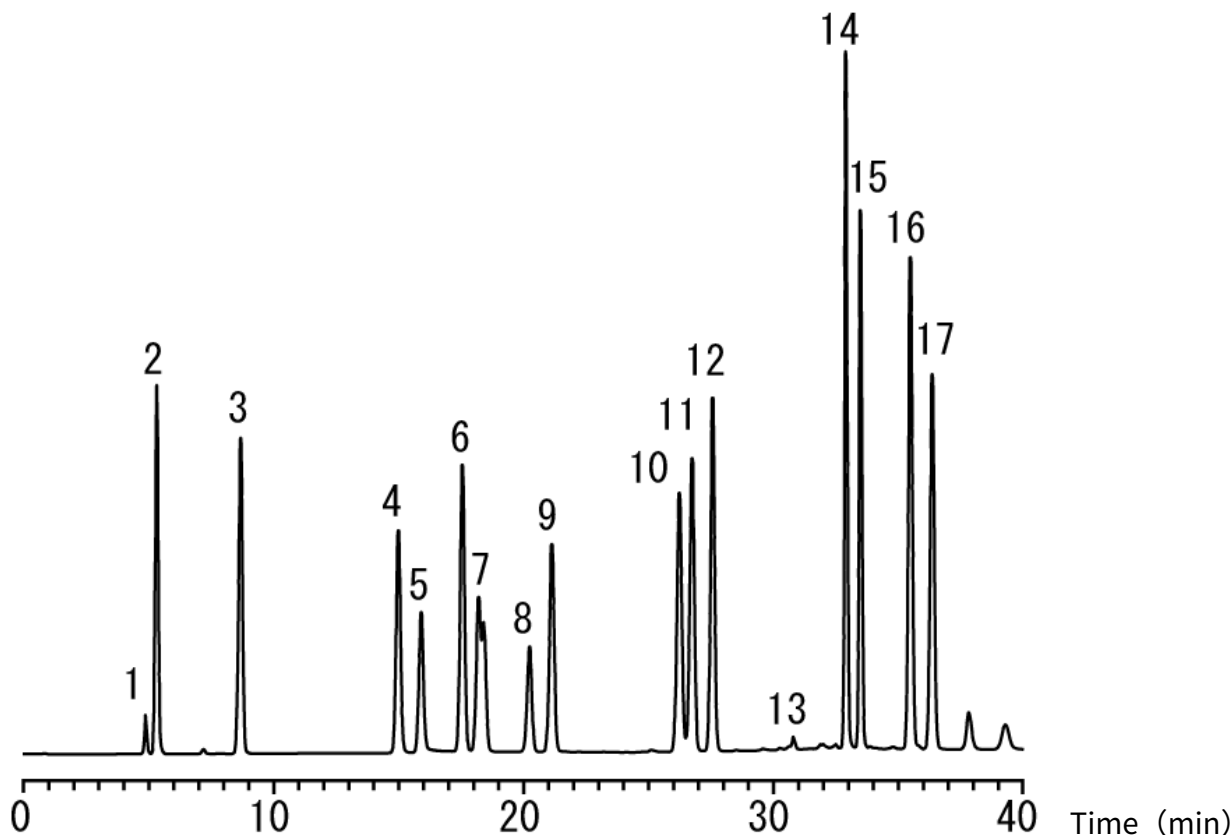


Analysis of OPA-amino acid

Data No. LA668-0142



Conditions

System : GL-7400 HPLC System
Column : Inertsil ODS-3 (3 μm, 100 x 4.6 mm I.D.)
Column Cat. No. : 5020-01775
Eluent : A) CH₃OH/50 mM Na₂HPO₄/50 mM NaH₂PO₄/THF
= 100/450/450/10, v/v/v/v
B) CH₃OH/50 mM Na₂HPO₄/50 mM NaH₂PO₄
= 600/200/200, v/v/v
A/B = 100/0 – 25 min – 40/60 – 5 min
– 0/100 – 10 min hold, v/v
Reaction Reagent : OPA (Online Pre-Column Derivatization)
Flow Rate : 1.2 mL/min
Col. Temp. : 40 °C
Detection : FL Ex 340 nm Em 450 nm (GL-7453A FL Detector)
Injection Vol. : 10 μL

Analyte

OPA-Amino Acids Driv.
1. Cystine (Cys) (2.5 nmol/mL)
2. Aspartic acid (Asp) (2.5 nmol/mL)
3. Glutamic acid (Glu) (2.5 nmol/mL)
4. Serine (Ser) (2.5 nmol/mL)
5. Histidine (His) (2.5 nmol/mL)
6. Arginine (Arg) (2.5 nmol/mL)
7. Methionine (Met) (2.5 nmol/mL)
8. Glycine (Gly) (2.5 nmol/mL)
9. Threonine (Thr) (2.5 nmol/mL)
10. Alanine (Ala) (2.5 nmol/mL)
11. GABA (2.5 nmol/mL)
12. Tyrosine (Tyr) (2.5 nmol/mL)
13. Proline (Pro) (2.5 nmol/mL)
14. Valine (Val) (2.5 nmol/mL)
15. Phenylalanine (Phe) (2.5 nmol/mL)
16. Isoleucine (Ile) (2.5 nmol/mL)
17. Leucine (Leu) (2.5 nmol/mL)