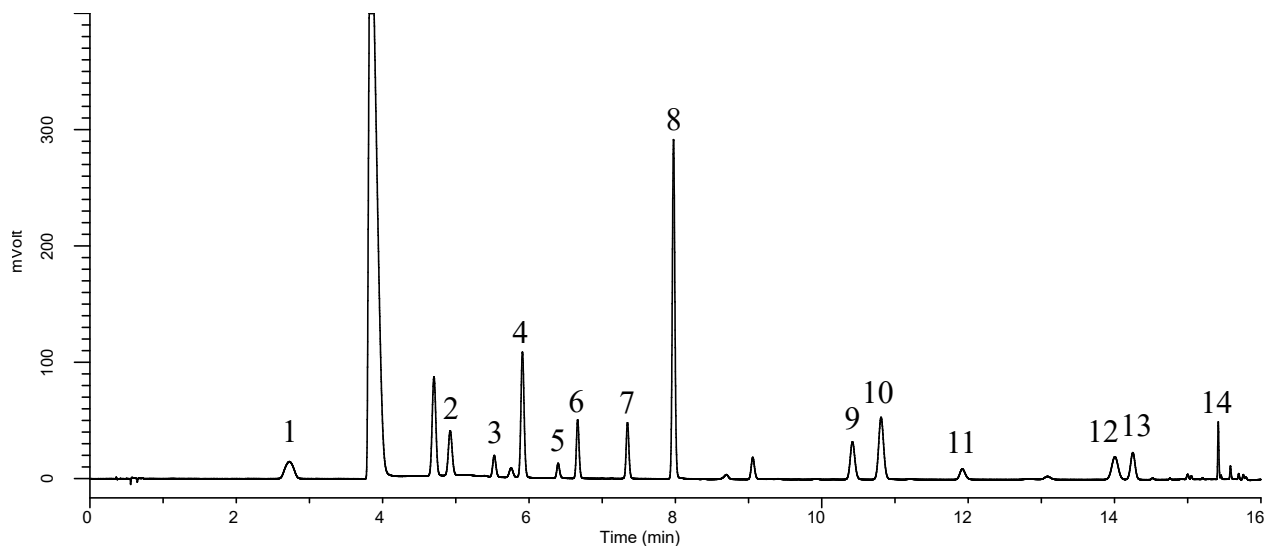


# InertSearch™ for LC

Inertsil® Applications

## Analysis of NBD-Amino acids

Data No. LA849-0894



### Conditions

**System** : LC800 HPLC system  
**Column** : Inertsil ODS-4 (2 $\mu$ m, 100 x 2.1 mm I.D.)  
**Column Cat. No.** : 5020-81204  
**Eluent** : A) CH<sub>3</sub>CN  
B) 20 mM NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> (pH 2.5, H<sub>3</sub>PO<sub>4</sub>)  
A/B = 5/95 – 2.5 min – 5/95 – 4.5 min – 25/75 – 6 min  
– 30/70 – 2 min – 70/30 – 0.1 min – 5/95  
– 0.9 min – 5/95, v/v  
**Flow rate** : 0.6 mL/min  
**Col. Temp.** : 50 °C  
**Detection** : UV 470 nm (LC800 UV Detector)  
**Injection Vol.** : 5  $\mu$ L  
**Sample** : NBD-amino acids

### Analyte:

1. Histidine	(His)	40 mg/L
2. Serine	(Ser)	55 mg/L
3. Aspartic acid	(Asp)	80 mg/L
4. Glycine	(Gly)	60 mg/L
5. Glutamic acid	(Glu)	55 mg/L
6. Threonine	(Thr)	50 mg/L
7. Alanine	(Ala)	65 mg/L
8. Proline	(Pro)	45 mg/L
9. Methionine	(Met)	50 mg/L
10. Valine	(Val)	85 mg/L
11. Cystine	(Cys)	70 mg/L
12. Isoleucine	(Ile)	45 mg/L
13. Leucine	(Leu)	45 mg/L
14. Tyrosine	(Tyr)	40 mg/L

\*NBD-F reagent