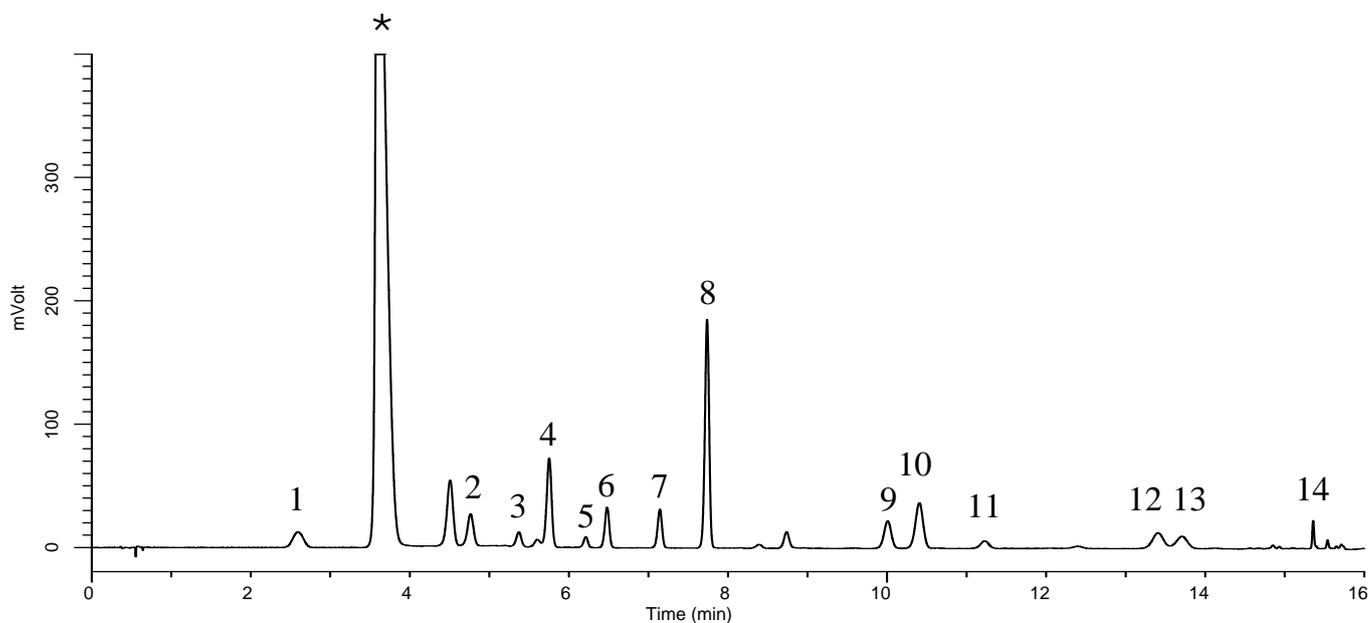


# InertSearch™ for LC

Inertsil® Applications

## Analysis of NBD-Amino acids

Data No. LA848-0894



### Conditions

**System** : LC800 HPLC system  
**Column** : Inertsil ODS-4 (5  $\mu$  m, 100 x 2.1 mm I.D.)  
**Column Cat. No.** : 5020-03914  
**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