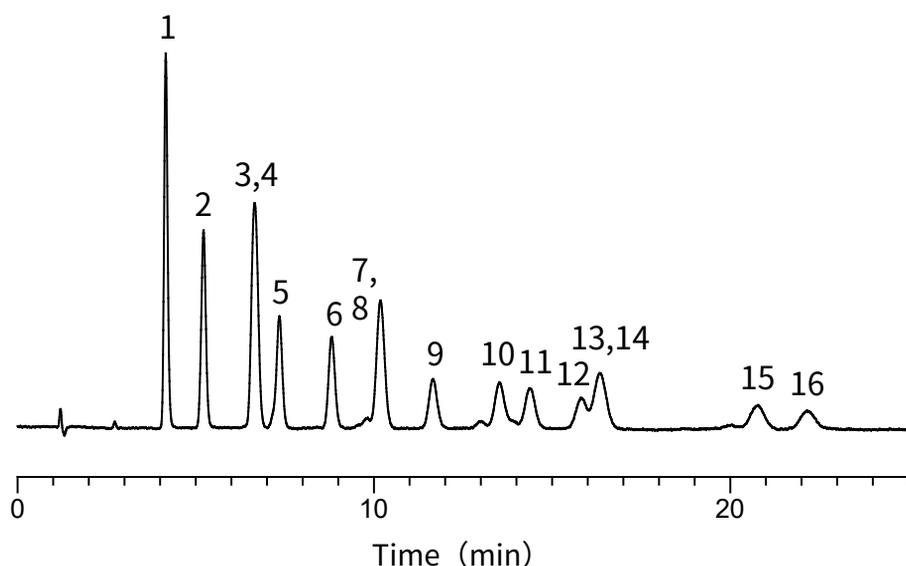


# InertSearch™ for LC

Inertsil® Applications

## Analysis of 16 kinds of Aldehydes (Detected by Pre-Column Method with DNPH)

Data No. LA911-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustain C18 (5µm, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07345  
**Eluent** : A) CH<sub>3</sub>CN  
          B) H<sub>2</sub>O  
          A / B = 60 / 40  
**Flow rate** : 1.0 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : PDA 360 nm  
**Injection Vol.** : 10 µL

### Analyte:

1.	DNPH-Formaldehyde	200 µg/L
2.	DNPH-Acetaldehyde	200 µg/L
3.	DNPH-Acetone	200 µg/L
4.	DNPH-Acrolein	200 µg/L
5.	DNPH-Propionaldehyde	200 µg/L
6.	DNPH-Crotonaldehyde	200 µg/L
7.	DNPH-Isobutyraldehyde	200 µg/L
8.	DNPH- <i>n</i> -Butyraldehyde	200 µg/L
9.	DNPH-Benzaldehyde	200 µg/L
10.	DNPH-Isovaleraldehyde	200 µg/L
11.	DNPH- <i>n</i> -Valeraldehyde	200 µg/L
12.	DNPH- <i>o</i> -Tolualdehyde	200 µg/L
13.	DNPH- <i>m</i> -Tolualdehyde	200 µg/L
14.	DNPH- <i>p</i> -Tolualdehyde	200 µg/L
15.	DNPH-Hexanal	200 µg/L
16.	DNPH-2,5-dimethylbenzaldehyde	200 µg/L