

## Underivatized Formaldehyde Analysis on ZB-1

**Column:** Zebron™ ZB-1, GC Cap. Column 30 m x 0.32 mm x 3.00 µm, Ea

**Phase:** 100% Dimethylpolysiloxane

**Dimensions:** 30 meters x 0.32 mm x 3 µm

**Order No:** 7HM-G001-36

**Oven Profile:** 50 °C Isothermal

**Carrier Gas:** Constant Flow Helium, 2.5 mL/min

**Injection:** Split 5:1 1 µL @ 140°C

**Detection:** Flame Ionization (FID) (250°C)

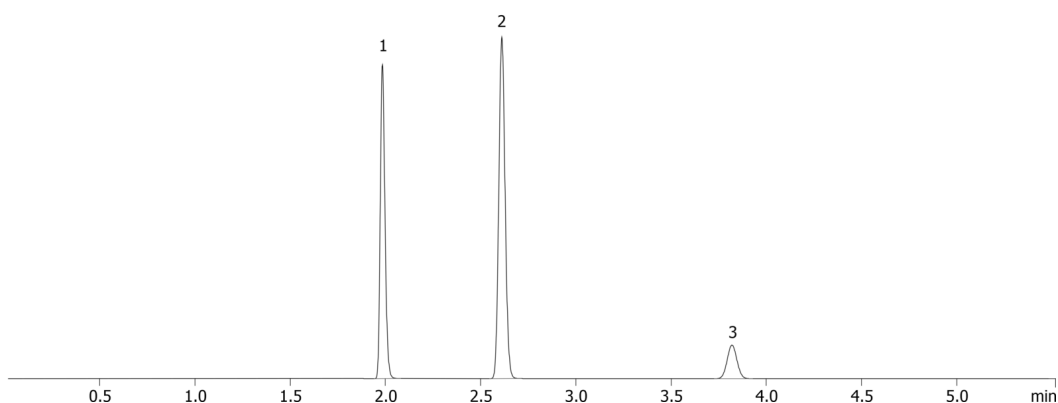
**Analyst Note:** Sample injected using a Tekmar Versa Headspace Autosampler.  
Headspace oven @ 60 °C for 10 minutes; transfer line = 65 °C; Vial pressurization = 15psi.  
GC analysis on Shimadzu GC-2010 plus  
Analytes were 0.5% in water. Nine different samples were prepared and analyzed with 2.0% RSD in peak area for formaldehyde.



Products used in this application:



21516



### ANALYTES:

- 1 Formaldehyde
- 2 Methanol
- 3 Ethanol

