GC Application

ID No.: **24076**

FAMEs In Coconut Oil by GC/MS on Zebron ZB-FAME

Column: Zebron ZB-FAME, GC Cap. Column 30m x 0.25mm x 0.2um , Ea
Phase:
Dimensions: 30 meters x 0.25 mm x 0.2 µm
Order No: 7HG-G033-10
Oven Profile: 100 °C for 2 min to 214 °C @ 3 °C/min

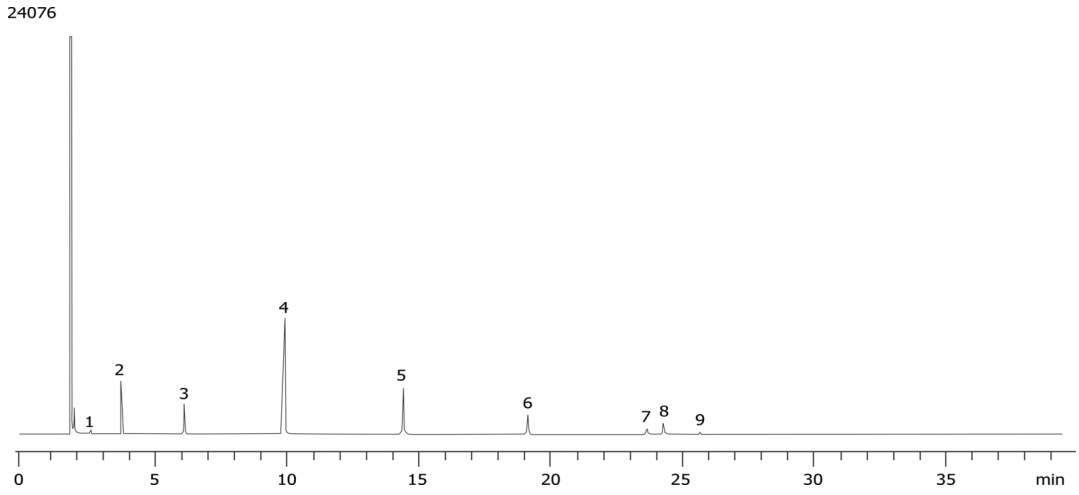
Carrier Gas: Constant Flow Helium, 1 mL/min
Injection: Split 50:1 1 µL @ 240°C
Detection: Mass Spectrometer (MS) (250°C)
Analyst Note:

Recommended Accessories:
Recommended Liner: Zebron PLUS Single Taper Z-Liner, 4 mm ID
Liner Part No.: AG2-0A13-05 (for Agilent systems)
Inlet Seal: AG0-8620 (Gold Plated Easy Seal)
Septum: AG0-4696 (PhenoRed-400)

Sample Preparation:
1. Weigh out 25 mg of oil into a 5 mL screw cap glass vial
2. Add 2 mL of BF3-methanol to sample vial
3. Heat vial at 60 °C for 15 minutes with periodic vortexing
4. Remove from heat and allow to attain room temperature
5. Add 1 mL water followed by 1 mL hexane
6. Vortex for 1 minute
7. Remove upper organic layer
8. Dry hexane layer over anhydrous sodium sulfate
9. Transfer to autosampler vial and inject on GC

Products used in this application:

Zebron



ANALYTES:

1 C6:0
2 C8:0
3 C10:0
4 C12:0
5 C14:0
6 C16:0
7 C18:0
8 C18:1 cis 9
9 C18:2 cis 9,12

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