

**CoreFocus**  
Report

**No.504**

GC

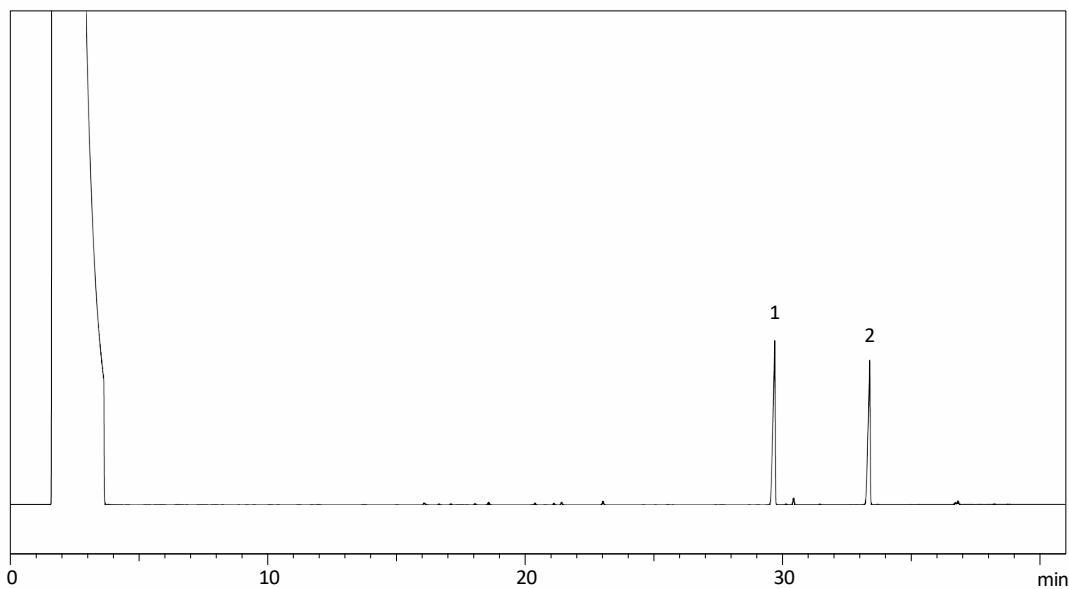
FID

SH Series

**SH-PolarWax**

**Analysis of stearic and palmitic acids**

**Keywords: Magnesium stearate purity test, Stearic acid-palmitic acid content ratio**



1.methyl palmitate  
2.methyl stearate

Column	: SH-PolarWax 30 m x 0.32 mm I.D., df= 0.5 µm, P/N : 227-36251-01
Column Oven Temp.	: 70 °C (2 min) → 5 °C/min → 240 °C (5 min)
Column Flowrate	: 2.42 mL/min
Injection Temperature	: 220 °C
Injection Mode	: Splitless
Sampling Time	: 2.0 min
Carrier Gas	: He, 40 cm/sec (Linear Velocity)
FID	: 260 °C (H <sub>2</sub> 40 mL/min, Air 400 mL/min)
Makeup Gas	: He 30 mL/min

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