

## PRODUCT DATA SHEET

### FIM-FAME-9 Mixture (quantitative)

**Catalog No:** 2013

**Solvent:** Methylene chloride

**Storage:** -20°C

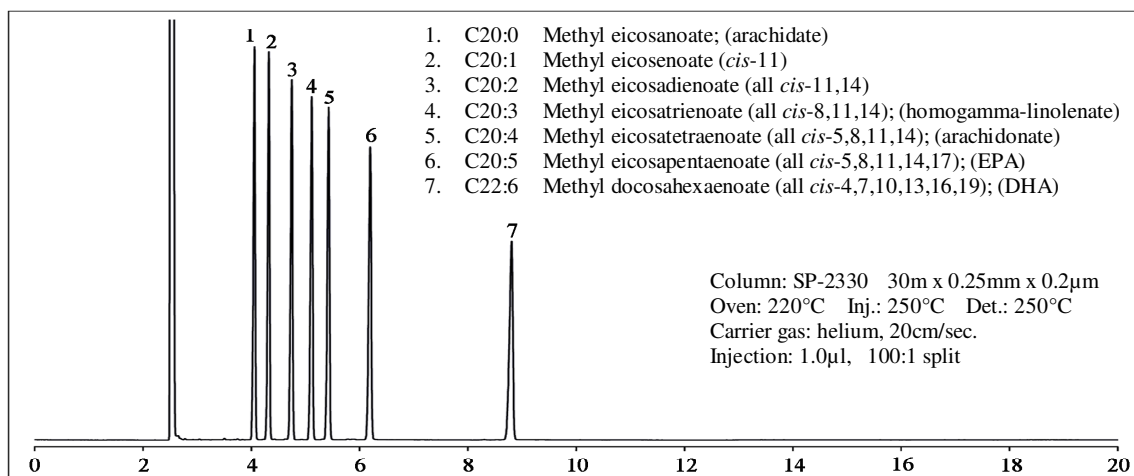
**Column:** SP-2330, 30m x 0.25mm x 0.2µm

**Oven:** 220°C

**Carrier:** Helium @ 20cm/sec.

**Detector:** FID, 250 °C

**Injector:** 250°C



### **Application notes:**

This FAME mixture contains 7 fatty acid methyl esters for the identification and quantification of unknowns.<sup>1</sup> It is prepared from high purity stock material and contains saturated and unsaturated fatty acids in the 20 carbon series. This mixture is very useful for bacterial identification,<sup>2</sup> triglyceride determination and the analysis of various plant and animal lipids.<sup>3</sup> Understanding the role of fatty acids and fatty acid metabolism in plants and animals is important in drug development.

### **Selected References:**

1. T. Murata "Analysis of fatty acid methyl esters by a gas-liquid chromatography-chemical ionization mass spectrometry computer system" *Journal of Lipid Research*, Vol. 19:166, 1978
2. N. Rozès et al. "A rapid method for the determination of bacterial fatty acid composition" *Applied Microbiology*, Vol. 3:17 pp.126, 1993
3. D. Welch "Applications of cellular fatty acid analysis" *Clinical Microbiology Reviews*, Vol. 4:4 pp. 422, 1991

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