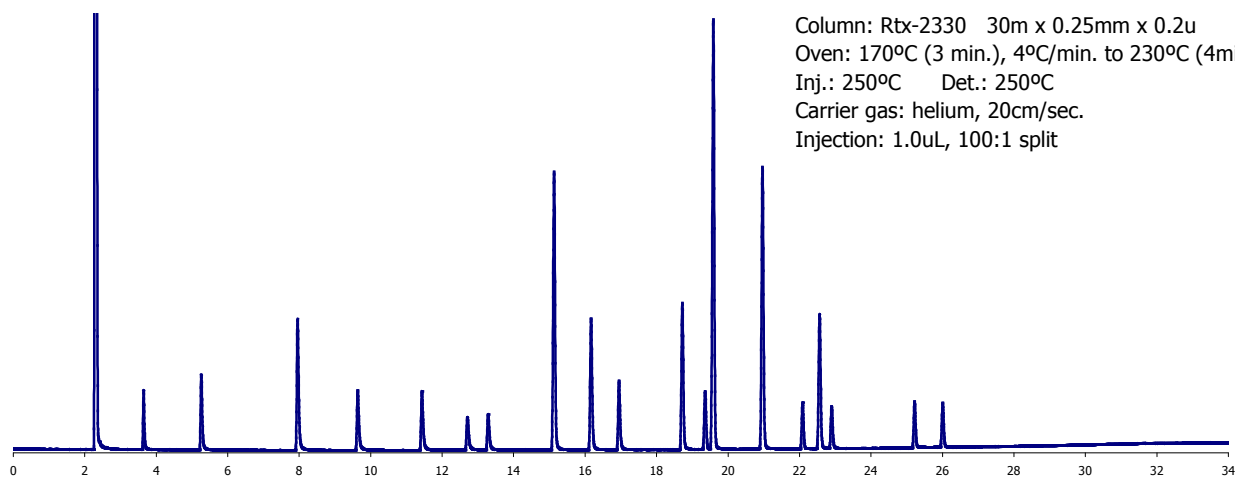


PRODUCT DATA SHEET

KEL-FIM-FAME-5 Mixture (quantitative)

Catalog No: 4210
Storage: -20°C
Concentration: Various
Quantity: 1ml

Carbon Number	Component Name	mg/ml
C8:0	Methyl octanoate (caprylate)	0.3
C10:0	Methyl decanoate (caprate)	0.5
C12:0	Methyl dodecanoate (laurate)	1.0
C13:0	Methyl tridecanoate	0.5
C14:0	Methyl tetradecanoate (myristate)	0.5
C14:1	Methyl tetradecenoate (<i>cis</i> -9), (myristoleate)	0.3
C15:0	Methyl pentadecanoate	0.3
C16:0	Methyl hexadecanoate (palmitate)	2.0
C16:1	Methyl hexadecenoate (<i>cis</i> -9), (palmitoleate)	1.0
C17:0	Methyl heptadecanoate (margarate)	0.5
C18:0	Methyl octadecanoate (stearate)	1.0
C18:1	Methyl octadecenoate (<i>trans</i> -9), (elaidate)	0.4
C18:1	Methyl octadecenoate (<i>cis</i> -9), (oleate)	3.0
C18:2	Methyl octadecadienoate (all <i>cis</i> -9,12), (linoleate)	2.0
C20:0	Methyl eicosanoate (arachidate)	0.3
C18:3	Methyl octadecatrienoate (all <i>cis</i> -9,12,15), (linolenate)	1.0
C20:1	Methyl eicosenoate (<i>cis</i> -11), (gondoate)	0.3
C22:0	Methyl docosanoate (behenate)	0.3
C22:1	Methyl docosenoate (<i>cis</i> -13), (erucate)	0.3



Application Notes:

This fatty acid methyl ester mixture contains 19 fatty acids for the identification and quantification of unknowns.¹ It is prepared from high purity stock material and contains saturated and unsaturated fatty acids. This mixture is very useful for bacterial identification,² triglyceride determination and the analysis of various plant and animal lipids.³ 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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