FATTY ACID PROFILING ENCKRIVER

The animal nutrition industry is continually learning and growing in fatty acid nutrition, driven by the complexities of fat and its role within rations and subsequent performance. Rock River Laboratory is dedicated to providing definitive analysis and results that parallel this progress.

Your fatty acid profile (FAP) is an accurate representation of your feedstuff's fat structure. Analysis results that drive sound decisions is our promise. By closely mimicking Penn State University's procedures and utilizing reference chemistry from Michigan State University - two leading authorities within the fatty acid sector - we reinforce that commitment. Confidence is knowing your FAP is backed by Rock River Laboratory.

Fatty Acid Profile Offerings:

NIR (6 fatty acids quantified)

- Applicable for commodities
- Total fatty acid reported as a percentage of dry matter
- Add-on to commodity NIR package

Method: Near Infrared Spectroscopy

Wet Chemistry (15 fatty acids quantified)

- Applicable for commodities, forages, and TMRs
- Add-on to moisture protein package
- Method: FAME (Fatty Acid Methyl Ester) analysis by GC FID (Gas Chromatography Flame Ionization Detection)

Users will receive the following breakdown of total fat content:

6 NIR Fatty Acid + Total Fatty Acid				
C14:0	Myristic Acid			
C16:0	Palmitic Acid			
C18:0	Stearic Acid			
C18:1	Oleic Acid			
C18:2	Linoleic Acid			
C18:3	Linolenic Acid			

15 Wet Chemistry Fatty Acid + Total Fatty Acid				
C12:0	Lauric Acid	C18:1	Oleic Acid	
C14:0	Myristic Acid	C18:1	Vaccenic Acid	
C16:0	Palmitic Acid	C18:2	Linoleic Acid	
C16:1T	Palmitelaidic Acid	C18:3	Linolenic Acid	
C16:1	Palmitoleic Acid	C18:3	Alpha-Linolenic acid	
C17:0	Margaric Acid	C22:0	Behenic Acid	
C18:0	Stearic Acid	C24:0	Lignoceric acid	
C18:1T	Elaidic Acid			