



# CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: **APPLE VALLEY**  
Desc: **FEED SAMPLE**  
Submitter: **WARD, RALPH**  
Account: **CVAS**  
Feed Type: **Misc-unknown**

Copies

Lab ID: **12345 075**  
Sampled:  
Arrived: **02/11/2025**  
Completed: **02/20/2025**  
Reported: **02/27/2025**

## Fatty Acid Profile Analysis Report

Dry Matter: **96.8 %**  
Moisture: **3.2 %**

|                       |                    | As Sampled %     | Dry Matter Basis %        |
|-----------------------|--------------------|------------------|---------------------------|
| Fat (ether extract)   |                    | N/A              | N/A                       |
| Fat (acid hydrolysis) |                    | 85.3             | 88.1                      |
| Total Fatty Acid      |                    | 84.0             | 86.8                      |
|                       |                    | Relative Basis % | Dry Matter Sample Basis % |
| C12:0                 | Lauric Acid        | 0.31             | 0.27                      |
| C14:0                 | Myristic Acid      | 1.50             | 1.30                      |
| C15:0                 | Pentadecanoic Acid | 0.08             | 0.07                      |
| C16:0                 | Palmitic Acid      | 68.0             | 59.0                      |
| C16:1                 | Palmitoleic Acid   | 0.23             | 0.20                      |
| C17:0                 | Heptadecanoic Acid | 0.08             | 0.07                      |
| C18:0                 | Stearic Acid       | 2.41             | 2.10                      |
| C18:1w9c              | Oleic Acid         | 21.3             | 18.5                      |
| C18:1w7               | Vaccenic Acid      | 0.37             | 0.32                      |
| C18:2w6               | Linoleic Acid      | 5.09             | 4.42                      |
| C18:3w3               | Linolenic Acid     | 0.18             | 0.16                      |
| C20:0                 | Arachidic Acid     | 0.19             | 0.17                      |
| C20:1w9               | Eicosenoic Acid    | 0.07             | 0.06                      |
| C22:0                 | Behenic Acid       | 0.04             | 0.03                      |
| C24:0                 | Lignoceric Acid    | 0.03             | 0.03                      |
| Other                 | Other              | 0.14             | 0.12                      |
| Total Fatty Acids     |                    | 100.00           | 86.8                      |



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