

pH AND VFA ANALYSIS OF FEEDSTUFFS
Up-dated September 2013

I. Personal Protective Equipment:

- A. Lab coat
- B. Safety glasses/goggles
- C. Latex gloves

II. VFA:

- A. Weigh 5.0 g of sample into 125 ml Erlenmeyer flask and add 15 ml of .5N H_2SO_4 .
- B. Mix and refrigerate overnight.
- C. Filter through #40 filter paper.
- D. Filtrate is then treated with Meta-phosphoric acid at a ratio of 1 ml of acid to 4 ml of sample.
- E. Spin samples at 3,000 X g (4,000 RPM-Beckman J2_21, JS 7.5 head) for 10 minutes.
- F. Pipette a portion of the clear supernatant into G.C. vial and cap.
- G. Filtrate may also be used for Barker-Summerson lactate analysis.

II. pH:

- A. Place 5.0 g (as is basis) of sample into a plastic butter dish and add 100 ml of distilled water.
- B. Mix well and refrigerate overnight.
- C. Allow to come to room temperature before reading pH.