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 \( \text{H}_2\text{SO}_4 \).
   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.