CUMBERLAND VALLEY ANALYTICAL SERVICES, INC.
PO Box 669 Maugansville, MD 21767 301-790-1980

September 21, 2006
Sample No : 6293004

Description : 06 CORN SILAGE
Farm Name : MILE POST DAIRY
Received : 09/18/2006
Complete : 09/21/2006

A N A L Y S I S R E S U L T S

NDF Digestibility Special Report

30 hour NDFD	64.4	% NDF
% of mean value for feed type		
Adjusted NEL	0.78	Mcal/lb
Lag	2.5	Hours
B2/B3 Kd	4.50	%/hour
Indigestible NDF (calculated)	16.59	% NDF
Relative Feed Quality(RFQ)		

Notes:

NDFD is reported as a percentage of total NDF. Rate calculations, lag, and calculated indigestible NDF are based on a beta version rate calculator (Feb 2004) created by Dr. Van Amburgh from work published in the 2003 Cornell Nutrition Conference Proceedings. Adjusted NEl is based on utilizing NDFD in calculations for TDN and NEl from the 2001 NRC.

CVAS currently utilizes a 1 mm cyclone mill grind for forages evaluated for NDFD which will yield a higher digestibility than obtained from a Wiley knife mill. For purposes of rate calculations, RFQ, and Milk2000 calculations the NDFD is factored by 0.92 based on research at CVAS and Miner Institute.

CVAS utilizes fluid collected from several early to mid lactation cows consuming a high production TMR of alfalfa haylage, corn silage, and HMSC for each run. Samples are incubated in individual flasks in a traditional Tilley and Terry system utilizing a Van Soest buffer. Samples are run in duplicate and rerun if values do not agree. Blanks, quality control samples, and samples for monitoring lag are included in each run. Results are generally not biased based on quality control samples but quality control sample results outside of acceptable limits may result in a run being discarded.