

Cumberland Valley Analytical Services Listing of Primary NIR Services

(* indicates chemistry analysis)

	Hay Crop Silage, Hay, Straw					Corn Silage, BMR Corn Silage					Small Grain Silage					Corn Grain, Ear Corn, HM Corn					TMR				
NIR 1																									
NIR 2																									
NIR 3																									
NIR 4																									
NIR 5																									
NIR Category	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Dry Matter/Moisture	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Crude Protein				*	*				*	*				*	*				*	*				*	*
Unavail. Protein (Bound)																									
Soluble Protein																									
NH3 (Fermented Feeds)																									
Rumen Deg. Protein																									
ADF				*	*				*	*				*	*				*	*				*	*
ADF Protein (ADIP)																									
NDF				*	*				*	*				*	*				*	*				*	*
NDF Protein (NDIP)																									
Lignin																									
Lignin/NDF Ratio																									
Crude Fat																									
Starch																									
Sugar																									
NFC																									
Enzymatic NSC																									
Ash																									
Ca, P, Ng, K, Na		*	*	*			*	*	*			*	*	*			*	*	*			*	*	*	
Fe, Mn, Zn, Cu		*	*	*			*	*	*			*	*	*			*	*	*			*	*	*	
Sulfur			*					*					*					*					*		
Chloride (NIR3 only)			*					*					*					*					*		
DCAD (NIR3 only)			*					*					*					*					*		
TDN																									
NEL, NEM, NEG																									
RFV																									
NIR Plus Option																									
Fermentation																									
Total VFA																									
Lactic Acid																									
Lactic/TVFA																									
Acetic Acid																									
Butyric Acid																									
pH (fermented feeds)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Invitro Digestibility																									
12 HR NDFD																									
24 HR NDFD																									
30 HR NDFD																									
Indigest NDF (120 HR)																									
Soluble Fiber																									
NDF Dig Rate (Kd)																									
RFQ																									
Milk / Ton																									
Invitro Starch Digest.																									
Other																									
Total Fatty Acids																									
Soil Contamination																									