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Cumberland Valley Analytical Services

Laboratory Services for Agriculture

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Services and Pricing Guide

August 2019



History

Cumberland Valley Analytical Services (CVAS) was started in 1994 as a small chemistry forage lab serving the local dairy industry in Maryland and south-central Pennsylvania. Beginning with only 800 square feet of leased space and one employee, CVAS has grown considerably moving into a new custom designed 33,000 sq. ft facility in Waynesboro, PA in March 2017.

CVAS employs over 100 people in its Waynesboro facilities and has satellite locations in Batavia, NY, Madison, WI, and Zumbrota, MN.

CVAS has grown significantly by providing cutting-edge forage and feed evaluation services in a quick, accurate, and cost-effective manner. CVAS was the first to commercialize the Fermentation Analysis in the U.S. and one of the first to offer extensive in vitro digestibility services and analyses for the Cornell and CPM nutritional models.

As the largest chemistry-based feed lab in the U.S., CVAS has the resources to offer one of the most comprehensive sets of NIR forage and feed evaluations available to the industry.

Building on its successful service model, CVAS supports 28 affiliate labs in the U.S., Canada, and globally with NIR technical services (see page 12).

Despite its size and growth, CVAS continues to operate as a fully independent family owned company.



Forage and feed characterization ...
... from the field to the feed bunk.

NIR Packages

NIR1	18.00
The NIR 1 Analysis includes tests for Dry Matter, Moisture, Crude Protein, ADFCP, NDFCP, Soluble Protein, ADF, NDF, Lignin, Starch, Sugar, Fat, Ash, Calcium (Ca), Phosphorus (P), Magnesium (Mg), and Potassium (K) and pH on ensiled forage. Calculated values are provided for Available Protein, Adjusted Protein, Degradable Protein, NEL, NEm, NEg (OARDC Summative Energy Equation), NSC and NFC.	
NIR2	29.00
The NIR 2 is the NIR 1 Analysis with wet-chemistry Minerals - Calcium (Ca), Phosphorus (P), Magnesium (Mg), Potassium (K), Sodium (Na), Iron (Fe), Manganese (Mn), Zinc (Zn), and Copper (Cu).	
NIR3	37.00
The NIR 3 is the NIR 2 Analysis plus wet-chemistry on Chloride (Cl), Sulfur (S), and DCAD.	
NIR4	42.00
The NIR 4 is the NIR 2 Analysis plus wet-chemistry on Crude Protein, ADF and NDF.	
NIR5	31.00
The NIR 5 is the NIR 1 Analysis plus wet-chemistry on Crude Protein, ADF, and NDF.	
NIR Plus/CNCPS Option	9.50
Provides 30 hr NDF Digestibility with Kd rate, an NIR evaluation of fermentation acids (for ensiled forages), as well as a uNDF at 30 hrs, a uNDF at 120 hrs and 240 hrs, total fatty acids, and soluble fiber. This option also includes a soil contamination probability index of low, medium, or high for forages. A nitrate probability is reported as low, medium, or high. For corn silage, the NIR Plus Option provides 12 hr NDF digestibility and 7 hr (4mm) starch digestibility.	
Soluble Starch Option	\$8.00
Provides a mechanically derived measure of soluble starch.	
NIR1 Non-Forage Ingredients	18.00
Almond hulls, Bakery, Beet Pulp, Brewers Grain, Canola Meal, Corn, Distillers, Corn Gluten Feed, Wheat Midds, Soybean Meal, Soy Hulls, and Small Grains (NIR2-5 are also available).	
Manure Package	18.00
Provides Dry Matter, Crude Protein, ADF, NDF, Lignin, Starch, Ash, Ca, P, Mg, K.	
Apparent Nutrient Digestibility by TMR and Fecal Evaluation	60.00
Includes an NIR Plus evaluation of a high group TMR and associated fecal matter to generate an evaluation of apparent NDF and starch digestibility.	
TMR Mixer Evaluation Package	139.00
(Set of 5 samples analyzed to assess mixer efficiency) NIR analysis with chemistry minerals. This package includes Dry Matter, Crude Protein, Soluble Protein, ADF, NDF, ADFCP, NDFCP, Lignin, Fat, Starch, Sugar, Ash, Ca, P, Mg, K, Na, Fe, Mn, Zn, Cu, Cl, and S.	
TMR Control - NIR Package	74.00
NIR analysis with chemistry minerals. This package includes Dry Matter, Crude Protein, Soluble Protein, ADF, NDF, ADFCP, NDFCP Lignin, Fat, Starch, Sugar, Ash, Ca, P, Mg, K, Na, Fe, Mn, Zn, Cu, Cl, and S. Also included is an evaluation for peNDF, SPS (starch processing score), and the Penn State Particle Size Evaluation.	

Chemistry Packages

Standard Package 38.00

Includes Dry Matter, Moisture, Crude Protein, Adjusted Protein, Soluble Protein, calculated Degradable Protein (Forages only), Acid Detergent Fiber (ADF), Neutral Detergent Fiber (NDF), Ash, NFC, (Energy values on forages only) TDN, NEI, NEm, NEg, RFV (for hays and haylages), and Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu with pH on an ensiled forage.

Standard Plus Energy 62.50

Standard Package plus Fat, Lignin, ADFCP, NDFCP to get Energy Values on Non-Forages.

CPM Plus/CNCPS Package 87.00

Includes the Standard Analysis and Lignin, Fat, ADFCP, NDFCP, Chloride, Sulfur, Starch, Sugar, TDN, NEI, NEm, and NEg. When combined with our Fermentation Analysis a Soluble Fiber is calculated. (Energy values on forages only).

RFV Package 25.00

Includes Dry Matter, Moisture, Crude Protein, ADF, NDF, calculated RFV (on hays and haylages), Adjusted Protein, NEI, NEm, NEg, and TDN.

Basic NDF Package 34.00

Dry Matter, Moisture, Crude Protein, ADF, NDF, Minerals (Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu), pH on ensiled forages, with calculated values for Adjusted Protein, TDN, NEI, NEg, NEm and Ash. (Energy values on forages only).

Minerals Only 26.00

Includes Dry Matter, Ca, P, Mg, K, Na, Fe, Mn, Zn, Cu, and Ash only.

Minerals Only 40.00

High concentration materials (mineral ingredients, premixes, high mineral concentrates).

TMR Diagnostic Package 185.00

Includes Dry Matter, Crude Protein, Soluble Protein, Ammonia, ADF, NDF, ADFCP, NDFCP, Lignin, Fat, Starch, 7-hour Starch Degradability, Sugar, Ash, Ca, P, Mg, K, Na, Cl, S, Fe, Mn, Zn, Cu, Lactic Acid, Acetic Acid, Butyric Acid, peNDF, (physically effective NDF - Mertens), SPS (starch processing score) and the Penn State Particle Size Evaluation.

Animal Protein Package 58.50

Provides Dry Matter, Moisture, Crude Protein, Soluble Protein, Ash, Fat, Ca, P, Cl, and S.

Liquid Sample

- Provides Dry Matter, Moisture, Crude Protein, Ammonia, Fat, Sugar, Ash, Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu. **57.50**
- Above analysis with Karl Fischer moisture - appropriate when volatiles other than moisture are present in the sample. **107.00**

Wet Chemistry Options

Fermentation Package	29.50
Includes Dry Matter, Lactic Acid, Acetic Acid, Propionic Acid, Butyric Acid, Iso-butyric Acid, 1,2 - Propanediol, Total VFA, pH, Lactic Acid/VFA ratio, Crude Protein equivalent from Ammonia as a percentage of Dry Matter and Crude Protein.	
Fermentation Analysis Plus Package	44.00
Includes Fermentation Analysis as well as a breakdown of Alcohols, Acetates, and Lactates.	
Fatty Acid Profile	65.75
30 meter column: 22 fatty acids from C12 to C24, and total fatty acids.	
Fatty Acid Profile	99.75
Other products requiring 100 meter column: C4 to C24 with trans fatty acids.	
Milk Fatty Acid Profile	99.75
100 meter column: C4 to C24 with trans fatty acids, de novo, mixed, preformed, total saturated and unsaturated fatty acids, CLA, MUFA, and PUFA.	
Free Fatty Acids	29.00
Heavy Metals	80.00
Includes, Antimony, Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Phosphorus, Potassium, Selenium, Sodium, Sulfur, Thallium, Zinc.	
Mold Count	28.00
Mold/Yeast Count.	
Mold Identification	49.00
Mold/Yeast Count with Mold Identification.	
PDI/Urease (soy products only)	51.50
Protein Dispersibility Index (includes PDI, and Urease Activity) Needs run with Crude Protein.	
Micron Particle Size	21.00
Byproduct	35.50
An add-on to the standard package, fat, lignin, ADFCP, NDFCP, sulfur, and chloride.	
DCAD (CI, S)	14.00
Must also include a package with wet chemistry minerals to calculate DCAD value.	
Soluble Starch Option	22.50
Provides a mechanically derived measure of soluble starch.	
Corn Silage Processing Score (CSPS)	20.00
Physically Effective NDF (PENDF)	20.00
Particle Size Evaluation (Penn State Separator)	8.50

In Vitro Analysis

CVAS has the capacity to run most any sized in vitro project with all samples inoculated from a single run of comingled rumen fluid. Our in vitro facility has over 2000 incubator flask positions.

Multistep In Vitro Protein Evaluation (MSPE) 119.00

Based on work by Dr. Debbie Ross and Dr. Mike Van Amburgh. An In vitro evaluation of feed material is followed by treatment sequentially with acid and enzymes. Rumen availability as well as intestinal digestibility is provided. Needs run with Crude Protein.

Freeze Dry RUP 149.50

Needs run with Crude Protein.

NDF Digestibility In Vitro Per Time Point 28.50

6, 12, 24, 30, 48 or 240 hrs (uNDF). Other time points may be available upon request.

NDF Digestibility In Vitro Time Point Series (6 points) 149.00

Starch Digestibility In Vitro Per Time Point 34.50

2, 4, 6, 7, 8, 12, 24, or 30 hrs. Other time points may be available upon request.

Starch Digestibility In Vitro Time Point Series (6 points) 182.50

Dry Matter Digestibility In Vitro Per Time Point 22.50

4, 6, 12, 24, 30, 48, 72, 96, 120, or 240 hrs.

Dry Matter Digestibility In Vitro Time Point Series (6 points) 109.50

NDF Basic RPE (Rate Pool Evaluation) 72.50

Needs run with NDFom.

Forage 30, 120, and 240 hrs

Ingredient 12, 72, and 120 hrs

NDF Standard RPE 135.00

Forage 4, 8, 12, 24, 48, 72, 120, and 240 hrs

Ingredient 4, 8, 12, 24, 48, 72, 120, and 240 hrs



Fermentrics
Gas Fermentation Systems

TMR 145.00

Includes Rates and Extent of digestion by gas production, Crude Protein, Soluble Protein, ADFCP, NDFCP, ADF, NDF, Lignin, Starch, Sugar, Fat, Ash, Ca, P, K, S, Na, and peNDF.

Feed and Forage 125.00

Includes Rates and Extent of digestion by gas production, NIR of Crude Protein, Soluble Protein, ADFCP, NDFCP, ADF, NDF, Lignin, Starch and Sugar.

In Situ Analysis

CVAS maintains 10 to 12 cannulated lactating cows. This provides flexibility to hang large numbers of bags for in situ evaluations, at the same time having access to large amounts of rumen fluid for in vitro incubations.

Protein Digestibility In Situ **99.50**
Rumen Undegradable Protein (RUP) at 16 hrs.

Dry Matter Digestibility In Situ Per Time Point **73.00**
24, 30, or 48 hrs. Other time points available upon request.

Starch Digestibility In Situ Per Time Point **90.00**
7, 16, or 24 hrs. Other time points available upon request.

NDF Digestibility In Situ Per Time Point **99.50**
6, 24, 30, 48, 96, or 120 hrs. Other time points available upon request.



In situ

Proximates

TAG 1 Package	30.00
Includes Dry Matter, Moisture, Crude Protein, Crude Fat, and Crude Fiber.	
TAG 2 Package	40.00
Includes Tag 1 plus Ash, Ca, and P.	
TAG 3 Package	50.00
Includes Tag 1 plus Ash and Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu.	
TAG 4 Package	25.00
Includes Dry Matter, Moisture, Ash, Ca, and P.	

Proximates



800-282-7522

www.foragelab.com

Amino Acids

Must be run with a Crude Protein.

Cysteine, Methionine, Lysine plus 9 more **100.00**

Cysteine, Methionine, Lysine, Aspartic Acid, Threonine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine. and Leucine.

Full Profile without Tryptophan **136.25**

Cysteine, Methionine, Lysine, Aspartic Acid, Threonine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Taurine, Hydroxyproline, Serine, Lanthionine, Tyrosine, Phenylalanine, Hydroxylysine, Ornithine, Histidine, and Arginine.

Full Profile with Tryptophan **156.75**

Cysteine, Methionine, Lysine, Aspartic Acid, Threonine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Taurine, Hydroxyproline, Serine, Lanthionine, Tyrosine, Phenylalanine, Hydroxylysine, Ornithine, Histidine, Arginine, and Tryptophan.

Total Lysine **88.00**

Total Methionine **91.75**

Tryptophan **88.00**

Mycotoxins

Mycotoxin Screen **100.00**

Screen includes Aflatoxin, B1, B2, G1, G2, Deoxynivalenol (DON, Vomitoxin), and Zearalenone.

Mycotoxins Screen Plus **135.00**

Screen includes Aflatoxin, B1, B2, G1, G2, Deoxynivalenol, Zearalenone, Fumonisin (B1, B2, B3), and Ochratoxin.

Aflatoxin by HPLC **55.00**

Zearalenone by HPLC **65.50**

Fumonisin by HPLC **65.50**

Ochratoxin by HPLC **65.50**

Deoxynivalenol by HPLC **55.00**

T2 Toxin by LC/MS **65.50**

HT2 Toxin by LC/MS **65.50**

Toxin Screen with T2 (LC/MS) **249.50**

Aflatoxin, B1, B2, G1, G2, Deoxynivalenol, Zearalenone, Fumonisin (B1, B2, B3), Ochratoxin, and T-2.

Components

Please add \$6.00 processing charge
to each sample not run with a package.

Acid Insoluble Ash	26.75
ADF	7.50
ADFom (ash free)	10.00
ADFCP	7.50
Ammonia Nitrogen	12.25
Ash	7.50
Barium	39.50
Boron	13.00
Chloride	7.50
Cobalt	38.00
Crude Fiber	11.50
Crude Protein	7.50
Degradable Protein (S. Griseus)	14.00
Needs run with Crude Protein	
Equine Energy	No Charge
Ergonovine	120.00
Fat (Acid Hydrolysis)	36.50
Fat (Ether Extraction)	11.00
Fecal Starch	13.50
Free Fatty Acids	29.00
Gossypol Free	402.50
Gossypol Total	275.50
Initial Peroxide (on liquid materials)	31.00
Initial Peroxide (on dry materials)	92.00
Iodine Value (Fat & Oils)	51.50
Iodine, Elemental (Minerals & Metals)	79.50
Karl Fischer Moisture	49.50
KOH	41.00
Needs run with Crude Protein	
Lactose	77.25
Lead	38.00

Components

Lignin	11.00
Moisture Only (Dry Matter)	3.50
Moisture loss at 135°C for 2 hrs for feed ingredients; 105°C for 3 hrs for forages.	
Molybdenum	13.00
aNDF	7.50
aNDFom (ash-free)	10.00
NDFCP	7.50
NDR	7.50
Nitrate	12.00
Non-Protein Nitrogen (NPN)	31.50
Urea and ammonia, CPE basis	
Pepsin Digestibility	54.25
0.2% pepsin as per AOAC. Includes Crude Protein determination.	
pH	6.50
Prolamin	29.25
Prussic Acid (Cyanide)	62.00
Salt (as chloride)	7.50
Selenium	45.00
Expected levels needed	
Soluble Protein	7.50
Starch	13.50
Starch (Gelatinized)	50.00
Sugar, ESC	11.00
Sugar, WSC	12.00
Sulfur	7.50
Trypsin Inhibitor	98.75
Urease Activity (soy products only)	26.25
Expected Levels Needed For Items Below	
Vitamin A	Call for price
Vitamin D for premixes (LOD 45,359 IU/lb)	Call for price
Vitamin D by LC-MS/MS (LOD 18.1 IU/lb)	Call for price
Vitamin E	Call for price

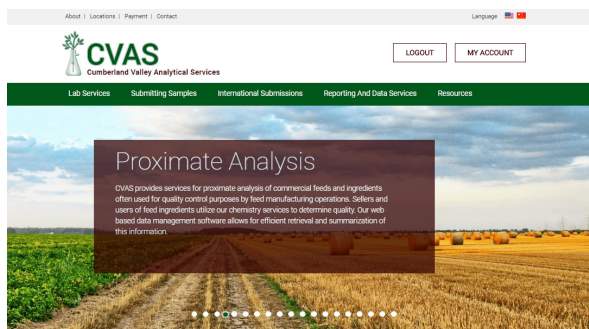
CVAS Web-based Data Review and Management System

CVAS continues to provide the most extensive internet-based data management programs available to the industry. Our online data management system not only gives you historical access and unique reporting capabilities but allows you to “mine” valuable statistical information from your samples.

The website provides co-branded reporting, custom report formats, client logging of samples with user-defined data fields, and support for multiple languages.

Samples can now be logged by the user, minimizing the potential for transcription errors and providing additional fields for descriptive data to be associated with the sample.

Results are available by website, fax, email (numerous formats available for importing into most nutritional models) as well as by mail.



Our Mission

Cumberland Valley Analytical Services is committed to providing innovative and cost-effective forage and feed

CVAS Mobile App

Our FORAGELAB app is a convenient way to submit and view sample information via your mobile device. The app is available on the iPhone, iPad and Android platforms. Clients are able to retrieve results almost immediately after the analysis is complete.

In addition, you can ensure prompt handling of your samples by submitting them through the FORAGELAB app. You can include detailed descriptions of your sample, select the analysis you require and even take a source picture of the sample.

Water Analysis

As a provider of diagnostic services to animal agriculture, CVAS provides livestock suitability evaluations of water. Do you know if water quality is an issue in your operation?

Total Coliform and E.coli	22.00
Nitrate Nitrogen and pH	15.00
Livestock Suitability Package	41.00
Includes pH, hardness, total dissolved solids, chlorides, sulfate, nitrate, Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu.	
pH	6.50
Alkalinity	13.00

Manure Analysis

CVAS is certified by the Minnesota Department of Agriculture for manure testing. With increasing emphasis on stewardship of resources, including implementation of nutrient management planning, manure testing is becoming a routine evaluation for animal production facilities.

Packages

Base Test Package 1	39.75
Total Nitrogen, P ₂ O ₅ , K ₂ O, NH ₄ ⁺ -N, Total Solids, Density.	

Base Test Package 2	34.25
Total Nitrogen, P ₂ O ₅ , K ₂ O, NH ₄ ⁺ -N, Total Solids.	

Base Test Package 3	32.25
Total Nitrogen, P ₂ O ₅ , K ₂ O, NH ₄ ⁺ -N.	

Additional Options

Water Soluble Phosphorus (PSC included)	12.25
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Minerals (Ca, P, K, Mg, Na, Fe, Mn, Zn, and Cu)	12.00
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Volatile Solids	7.50
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pH	6.50
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Total Carbon (C/N Ratio)	28.00
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Plant Tissue Analysis

Standard	46.25
N, P, K, Ca, Mg, Na, S, Fe, Mn, Zn, Cu, and B.	

Trace Minerals each	42.25
Cd, Co, Pb, Mo, and Ni.	

Nitrate	12.00
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Total Nitrogen	7.50
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Total Carbon	28.00
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Total Sulfur	7.50
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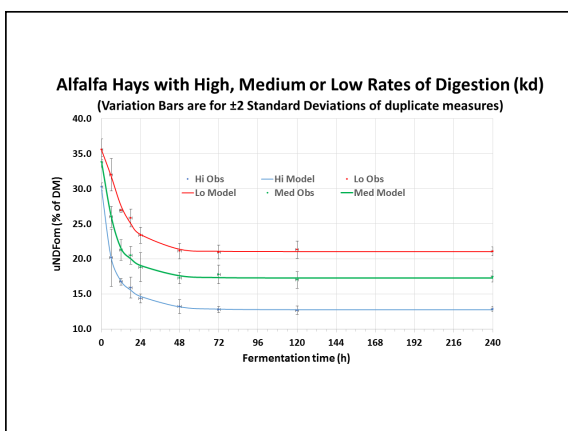
Samples run for Nitrate, Nitrogen, Carbon, or Sulfur without a mineral package will incur a \$6.00 processing charge.

Data Services

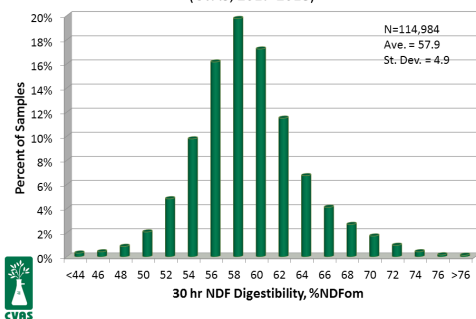
CVAS supports research institutions and industry by providing nutrient data on forages and feeds with data available back as far as 15 years and spanning the U.S. and international geographies. We work with clients on custom analytical needs and have the ability to utilize our database to quickly generate summaries and comparisons of analyses.

Data are only provided in an anonymous fashion that does not compromise any individual business or clients' privileged information.

Below is an example of relationships that can be developed from evaluation of data:



Distribution of 30 hr NDF Digestibility In Vitro in Corn Silage (CVAS, 2017-2018)



Equine Services

Understanding equine nutrition is of critical importance to a horse's health and well-being and has radically changed in recent years. As we learn more about how horses digest and utilize nutrients from feeds, feed choices have broadened and changed. The importance of sugars, fructans, and fiber digestibility is better recognized.

Equine Basic **18.00**

This NIR package includes Dry Matter, Moisture, Digestible Energy, NSC, NFC, RFV (hays and haylages only), Starch, Sugar (WSC and ESC), Crude Protein, Soluble Protein, ADFCP, NDFCP, Lignin, ADF, NDF, NDFom, Fat, Ash, Calcium (Ca), Phosphorus (P), Magnesium (Mg), and Potassium (K).

Equine Lancer **29.00**

This package includes Dry Matter, Moisture, Digestible Energy, NSC, NFC, RFV (hays and haylages only), Starch, Sugar, Crude Protein, Soluble Protein, ADFCP, NDFCP, Lignin, WSC, ADF, NDF, NDFom, Fat, Fatty Acids (total), and Ash by NIR. Chemistry minerals are provided, superior analytically to NIR predictions, including Calcium (Ca), Phosphorus (P), Magnesium (Mg), Potassium (K), Sodium (Na), Iron (Fe), Manganese (Mn), Zinc (Zn), and Copper (Cu).

Equine Chemistry Basic **62.50**

This package is similar to the Equine Lancer package but uses reference chemistry methods in place of more economical NIR. It provides Dry Matter, Moisture, Digestible Energy, NSC, NFC, RFV (hays and haylages only), Starch, WSC, Crude Protein, Soluble Protein, ADF, NDF, Ash, Calcium (Ca), Phosphorus (P), Magnesium (Mg), Potassium (K), Sodium (Na), Iron (Fe), Manganese (Mn), Zinc (Zn), and Copper (Cu).

Equine Chemistry Complete **87.00**

This package includes Dry Matter, Moisture, Digestible Energy, NSC, NFC, RFV (hays and haylages only), Starch, Sugar, Crude Protein, Soluble Protein, WSC, ADF, NDF, ADFCP, NDFCP, Lignin, Fat, Ash, Calcium (Ca), Phosphorus (P), Magnesium (Mg), Potassium (K), Sodium (Na), Sulfur (S), Chloride (Cl), Iron (Fe), Manganese (Mn), Zinc (Zn), and Copper (Cu).

Analyses important to troubleshooting equine nutritional problems are listed on other pages. Various nutritional components are listed on pages 10–11, mycotoxins on page 9, mold and yeast evaluations on page 5, and water on page 14.



Turn-around Time

Wet-chemistry results are returned three to six days following receipt with exceptions for special analyses. Results on NIR samples received by 11:00 a.m. for NIR-1, 2 & 3 are posted the same day. NIR samples submitted to a satellite facility requiring additional chemistry analysis will increase turn-around time by one day.

Accuracy and Precision

CVAS is certified by the National Forage Testing Association in both chemistry and NIR analyses. CVAS also participates in NAPT, AAFCO, MAP, and BIPEA check sample programs. In addition, CVAS is an AOCS approved laboratory to analyze DDGs from cornmeal and aflatoxin in cornmeal.

All samples released by CVAS are reviewed by in-house personnel with years of industry experience.

Mailing / Shipping Options

All shipping charges are subject to change.

CVAS provides sample bags at no charge and shipping materials at 25 cents for large bags and 70 cents for extra large bags. This allows for Priority Mail shipping with no money or paperwork required. We pay the shipping charges and bill back. Packages ship for \$8.00 or more depending on weight.

CVAS also offers UPS Authorized Return Service Labels. Ship samples with no money or paperwork required for a flat rate for the following services:

UPS Return Labels have a 50lb limit. Please remove all old shipping labels from reused boxes to avoid fines from UPS.

UPS Ground Service	\$5.00
UPS Second Day Service	\$25.00
UPS Overnight Service	\$35.00

USPS
PO Box 999
Waynesboro, PA 17268

UPS/Fedex
4999 Zane A. Miller Drive
Waynesboro, PA 17268

Pricing

This brochure provides information on pricing and packages as of August 1, 2019 and may change without notice.

Please go to www.foragelab.com for up-to-date information.

Fees and Other Charges

CVAS is committed to keeping charges as low as possible in support of the use of analytical services. However, there are situations where additional charges are necessary due to specific costs of administration or handling.

Please go to www.foragelab.com for additional information.

International samples

Upcharge - approximately 20%

See the international price brochure or for specific pricing or go to www.foragelab.com/International-Submissions/Price-List/.

Special handling

Up to \$10.00 per sample without contact for specific client approval.

Liquid samples

Up to \$10.00 per sample without contact for specific client approval.

“Grind All”

\$5.00 per sample

Additional Labor Charge

\$50 / hour in 15-minute increments

Sample forwarding fee

\$6.00 per package. Actual shipping charges will be billed back.

Calling Fee

\$5.00 per specific occurrence

Archival Report Charge

\$2.50 per sample report

Shipping Charges

At published rates using CVAS in-bound shipping services, go to www.foragelab.com/Submitting-Samples/Shipping.

Billing

CVAS sends out bills twice per month around the 1st and 15th of the month for services completed in the previous two weeks. Terms are net 30 with any volume discounts available only when within terms. We do bill third parties on request. To pay by credit card go to our website or <https://payment.foragelab.com/>.

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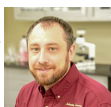
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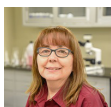
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April Miller
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CVAS

Our Mission:

Cumberland Valley Analytical Services is committed to providing innovative and cost-effective forage and feed laboratory testing for the agriculture industry. Combining the most comprehensive array of forage characterization services, cutting-edge information technology, and outstanding customer focus, we will be the global leader in feedstuff analysis and analytics as we support world food production needs.

