

CUMBERLAND VALLEY ANALYTICAL SERVICES, INC.

2023 Price List | Effective September 1, 2023

{An extra handling fee of \$12.50 (USD) is charged for each international sample.}

Prices subject to change.

Price

NIR Packages

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|---|-----------|
| NIR1 Package | \$ 22.50 |
| NIR2 Package | \$ 36.00 |
| NIR3 Package | \$ 46.00 |
| NIR4 Package | \$ 52.25 |
| NIR5 Package | \$ 38.75 |
| NIR Plus Option | \$ 11.25 |
| uNDF RPE Precision Time Point Analysis | \$ 20.25 |
| Amino Acid Analysis | \$ 20.25 |
| Soluble Starch | \$ 11.00 |
| NIR1 Non-Forage Ingredients | \$ 22.50 |
| Manure Package | \$ 22.50 |
| Apparent Nutrient Digestibility by TMR and Fecal Evaluation | \$ 74.50 |
| TMR Mixer Evaluation Package | \$ 230.00 |
| TMR Control - NIR Package | \$ 113.25 |

Chemistry Packages

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|--|-----------|
| Standard Package | \$ 51.50 |
| Standard Plus Energy | \$ 84.25 |
| CNCPS Package (previously CPM Plus) | \$ 117.50 |
| RFV Package | \$ 34.25 |
| Basic NDF Package | \$ 46.25 |
| Minerals Only | \$ 35.50 |
| Minerals Only (High Concentration) | \$ 54.50 |
| TMR Diagnostic Package | \$ 248.75 |
| Feed Mill Mixer Evaluation | \$ 462.50 |
| Animal Protein Package | \$ 91.50 |
| Liquid Sample DM, CP, Ammonia, Fat, Sugar, Ash, Ca, P, Mg, K, Na, Fe, Mn, Zn, and Cu | \$ 98.00 |
| Liquid Sample Above analysis with Karl Fischer moisture | \$ 157.25 |

Wet Chemistry Options

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|--|-----------|
| Fermentation Package | \$ 40.00 |
| Fermentation Analysis Plus Package | \$ 60.25 |
| Fatty Acid Profile, 30m column | \$ 87.50 |
| Fatty Acid Profile, other products, 100m column | \$ 131.50 |
| Milk Fatty Acid Profile, 100m column | \$ 131.50 |
| Free Fatty Acids | \$ 17.00 |
| Mold Count | \$ 37.75 |
| Mold Identification | \$ 66.00 |
| PDI/Urease (soy products only; must be run with Crude Protein) | \$ 61.50 |
| Micron Particle Size | \$ 29.00 |
| Byproduct (An add-on to the Standard Package) | \$ 48.50 |
| DCAD (CL, S) | \$ 21.00 |

Prices subject to change.

Price

| | |
|--|----------|
| Soluble Starch | \$ 30.00 |
| Corn Silage Processing Score (CSPS) | \$ 27.75 |
| Physically Effective NDF (PENDF) | \$ 27.75 |
| Particle Size Evaluation | \$ 11.75 |
| Toxic Elements (Arsenic, Lead, Chromium, Mercury) | \$ 81.75 |
| Trace Elements (Cobalt, Copper, Iron, Manganese, Molybdenum, Selenium, Zinc) | \$ 81.75 |

In Vitro Analysis

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|--|-----------|
| MSPE | \$ 160.50 |
| MSPE, Freeze Dry | \$ 201.25 |
| ROSS UIP | \$ 99.00 |
| NDF Digestibility In Vitro Per Time Point | \$ 38.50 |
| NDF Digestibility In Vitro Time Point Series (6 points) | \$ 200.25 |
| Starch Digestibility In Vitro Per Time Point | \$ 47.00 |
| Starch Digestibility In Vitro Time Point Series (6 points) | \$ 245.50 |
| Dry Matter Digestibility In Vitro Per Time Point | \$ 32.00 |
| Dry Matter Digestibility In Vitro Time Point Series (6 points) | \$ 147.50 |
| NDF Basic RPE (Rate Pool Evaluation) for Forages | \$ 131.25 |
| NDF Standard RPE for Forages | \$ 279.25 |
| NDF Basic RPE for Ingredients | \$ 131.25 |
| NDF Standard RPE for Ingredients | \$ 279.25 |

In Situ Analysis (not available for international samples)

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|---|-----------|
| MSPE In Situ | \$ 197.50 |
| Protein Digestibility In Situ | \$ 134.00 |
| Dry Matter Digestibility In Situ Per Time Point | \$ 98.50 |
| Starch Digestibility In Situ Per Time Point | \$ 121.25 |
| NDF Digestibility In Situ Per Time Point | \$ 134.00 |

Proximates

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|---------------|----------|
| TAG 1 Package | \$ 40.00 |
| TAG 2 Package | \$ 53.00 |
| TAG 3 Package | \$ 66.00 |
| TAG 4 Package | \$ 33.50 |

Amino Acids (Must be run with Crude Protein)

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|--|-----------|
| Cysteine, Methionine, Lysine plus 9 more | \$ 134.50 |
| Full Profile without Tryptophan | \$ 183.50 |
| Full Profile with Tryptophan | \$ 211.00 |
| Total Lysine | \$ 118.50 |
| Total Methionine | \$ 118.50 |
| Tryptophan | \$ 118.50 |

Mycotoxin by LC-MS/MS

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|-----------------|-----------|
| Mycotoxin Basic | \$ 130.75 |
| Mycotoxin Plus | \$ 195.50 |

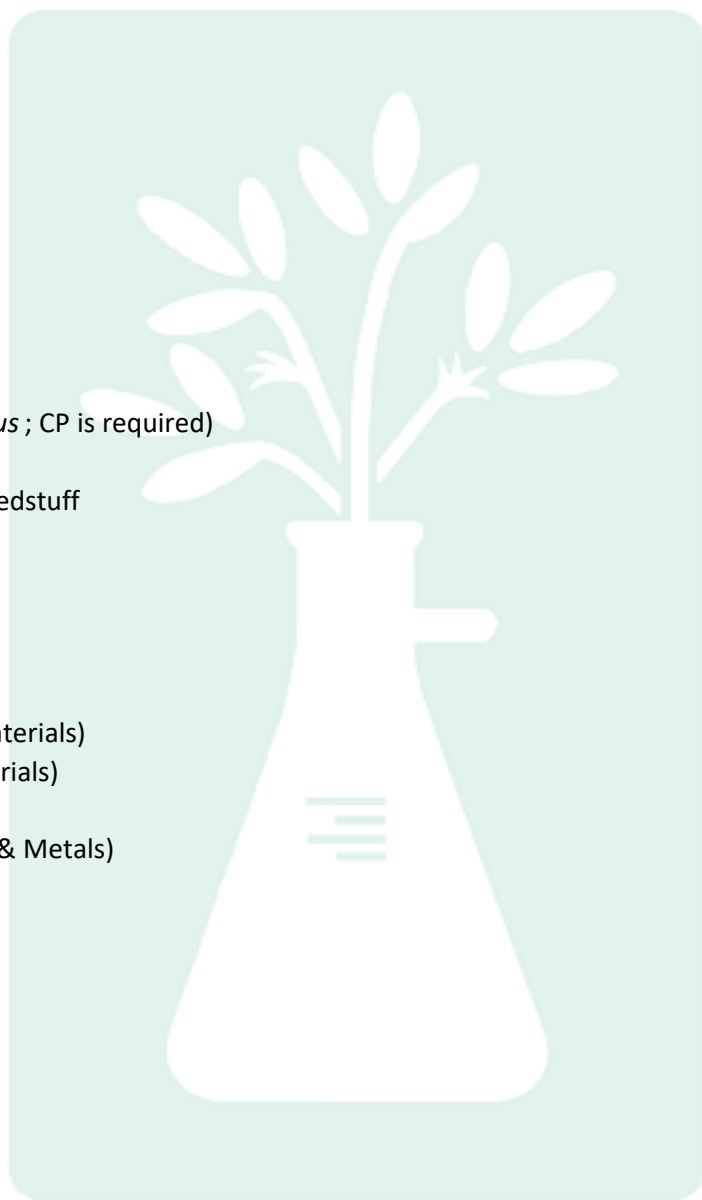
Prices subject to change.

Price

| | |
|-----------------------|-----------|
| Mycotoxin Premier | \$ 323.50 |
| Mycotoxin, individual | \$ 87.50 |

Components

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|---|-----------|
| Acid Insoluble Ash | \$ 26.00 |
| ADF | \$ 10.75 |
| ADFom (ash free) | \$ 14.00 |
| ADFCP | \$ 10.75 |
| Ammonia Nitrogen | \$ 19.50 |
| Ash | \$ 10.75 |
| Barium | \$ 53.25 |
| Boron | \$ 17.75 |
| Chloride | \$ 10.75 |
| Cobalt | \$ 51.50 |
| Crude Fiber | \$ 16.00 |
| Crude Protein | \$ 10.75 |
| Degradable Protein (<i>S. griseus</i> ; CP is required) | \$ 19.00 |
| Equine Energy | |
| Ergot/Fescue Alkaloids in Feedstuff | \$ 182.50 |
| Fat (Acid Hydrolysis) | \$ 37.25 |
| Fat (Ether Extract) | \$ 15.50 |
| Fecal Starch | \$ 18.50 |
| Gossypol Free | \$ 532.50 |
| Gossypol Total | \$ 363.50 |
| Initial Peroxide (on liquid materials) | \$ 42.00 |
| Initial Peroxide (on dry materials) | \$ 124.00 |
| Iodine Value (Fat & Oils) | \$ 69.75 |
| Iodine, Elemental (Minerals & Metals) | \$ 107.25 |
| Karl Fischer Moisture | \$ 59.25 |
| KOH (Needs run with CP) | \$ 49.25 |
| Lactose | \$ 104.00 |
| Lead | \$ 51.50 |
| Lignin | \$ 13.25 |
| Moisture Only (Dry Matter) | \$ 4.75 |
| Molybdenum | \$ 17.75 |
| aNDF | \$ 10.75 |
| aNDFom (ash-free) | \$ 14.00 |
| aNDF-CP | \$ 10.75 |
| aNDR | \$ 10.75 |
| Nitrate | \$ 16.75 |
| Non-Protein Nitrogen (NPN, Urea and ammonia, CPE basis) | \$ 43.00 |
| Pepsin Digestibility (0.2% pepsin as per AOAC. Includes CP) | \$ 73.50 |
| pH | \$ 9.50 |
| Prolamin (grain only) | \$ 39.75 |
| Prussic Acid (Cyanide) | \$ 83.50 |
| Salt (as chloride) | \$ 13.25 |
| Selenium | \$ 61.25 |



CVAS

Prices subject to change.

Price

| | |
|-------------------------------------|------------------|
| Soluble Protein | \$ 10.75 |
| Starch | \$ 18.50 |
| Starch (Gelatinized) | \$ 67.75 |
| Sugar (ESC) | \$ 16.75 |
| Sugar (WSC) | \$ 16.75 |
| Sulfur | \$ 10.75 |
| Trypsin Inhibitor | \$ 133.25 |
| Urease Activity (soy products only) | \$ 20.00 |
| Vitamins | call for pricing |

Water Analysis

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|-------------------------------|----------|
| Total Coliform and E.coli | \$ 30.00 |
| Nitrate Nitrogen and pH | \$ 20.75 |
| Livestock Suitability Package | \$ 55.50 |
| pH | \$ 9.50 |
| Alkalinity , water | \$ 17.75 |

Manure Analysis

Please contact CVAS prior to shipping any international manure samples.

Regulations vary depending on country of origin.

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|--------------------------------|----------|
| Manure Base Test Package 1 | \$ 52.75 |
| Manure Base Test Package 2 | \$ 46.50 |
| Water Soluble Phosphorus | \$ 17.00 |
| Minerals (with manure package) | \$ 20.25 |
| Volatile Solids | \$ 10.75 |
| pH | \$ 9.50 |
| Total Carbon | \$ 20.25 |

Plant Tissue Analysis

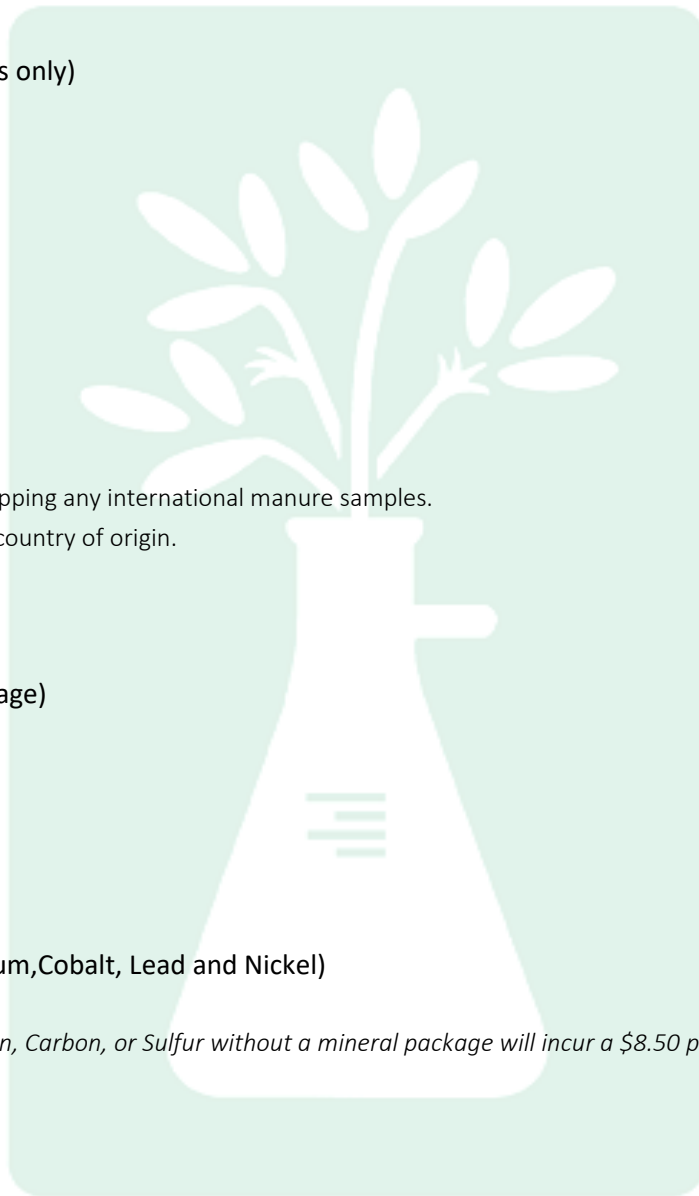
| | |
|---|----------|
| Standard | \$ 30.75 |
| Trace Minerals each (Cadmium,Cobalt, Lead and Nickel) | \$ 51.50 |
| Molybdenum | \$ 17.75 |

Samples run for Nitrate, Nitrogen, Carbon, or Sulfur without a mineral package will incur a \$8.50 processing charge.

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|----------|----------|
| Nitrate | \$ 20.75 |
| Nitrogen | \$ 10.75 |
| Carbon | \$ 20.25 |
| Sulfur | \$ 10.75 |
| Chloride | \$ 10.75 |

Equine Services

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|---------------------------|-----------|
| Equine Basic | \$ 22.50 |
| Equine Lancer | \$ 36.00 |
| Equine Chemistry Basic | \$ 86.75 |
| Equine Chemistry Complete | \$ 134.25 |



CVAS