



Services and Pricing Guide

2017 Version 2.1

About us



Weld Laboratories has served the analytical needs of the agricultural and environmental industries for nearly 40 years. Our motto has always been that chemistry is best performed by chemists.



From alfalfa and corn silage analysis to soil, manure, water, and gas/oil spill testing, Weld Labs offers a comprehensive list of analytical services to meet your needs.

Weld Labs has continuously been certified by the National Forage Testing Association since 1986 and holds certification in both NIRS and Wet Chemistry analyses.



Feed Analyses

As our most common family of analyses, we are very well established in feed chemistry. We test all feed types and are certified in both NIR and Wet chemistry techniques. We have worked closely with veterinarians and nutritionists to solve problems with livestock throughout the nation.

Feed NIR Packages

NIR (incl. Moisture, Protein, ADF, NDF, Ca, P, Mg, K and calculations) \$16

NIR RFQ (NIR plus lignin, fat, ash, dNDF) \$18

(add Sugars and WSC for \$2, also add Starch and NSC \$12)

NIR TDN (expanded equations for corn silage) \$18

NIR TDN complete (expanded equation for silage plus VFAs) \$23.75

Common Feed Analyses

Nitrate \$12

(with NIR \$27, with RFQ \$28, w/ TDN \$28)

Moisture (oven dried at 105°C) \$7.50

Protein \$10

Crude Fiber \$10

Fibers (ADF + NDF) \$14

Crude Fat, or Acid Hydrolysis Fat \$10

Total Starch \$12

Wet Chem Packages

Moisture and Protein \$15

Wet RFV: Moisture, Protein, ADF, NDF, RFV \$24

Guaranteed Analysis: Moisture, Protein, Crude Fiber, Crude Fat \$30

TMR Basic: Moisture, Protein, ADF, NDF, Fat, Ca, P, Mg, K \$53

TMR Complete: Moisture, Protein, ADF, NDF, Fat, Ash, DCAD minerals, Ca, K, P, Mg, Starch \$80

Feed Minerals

First Mineral \$12

Additional Minerals \$2

Nine Mineral Package (includes Ca, P, K, Mg, Na, Zn, Cu, Fe, Mn) \$25

DCAD (includes Ca, P, K, Na, S, Cl) \$30

Feed Analyses (continued)

Other Analyses	
Ash	\$7
Selenium	\$40
Sulfur	\$17
Lignin (in addition to ADF)	\$6
NPN (Non-protein nitrogen, urea)	\$12
pH	\$8.50
Prussic Acid (cyanide)	\$27.50
Soluble Protein (in addition to CP)	\$10
ADFIN or NDFIN (includes either ADF or NDF)	\$18
Total Starch	\$12
Flaked Corn DOP (Degree of Processing) Gelatinized Starch	\$40
CSPS (Corn Silage Processing Score)	\$20
Particle Size Evaluation (8 sieves)	\$48
Calculations (NEL, NEM, NEG, RFV, TDN, etc)	FREE
Heavy Metals and Toxins	CALL
Hay Probe rental (per day)	\$5



NIR Details

NIR is a superior technology for rapid analyses on forage samples. Our NIR calibrations are supplied by the NIRS Consortium. The NIRS Consortium standardizes NIR technology across manufacturers and ensures performance throughout the world. Rather than rely on homemade calibrations that are based on the work and samples from a single laboratory, we choose the gold standard. When you have your forage analyzed be sure to ask where the calibrations come from.

We test our NIR calibration on each instrument every day. Samples are scanned 32 times and we report the average.

Our basic NIR includes Moisture, Protein, ADF, NDF, Ca, P, Mg, K, TDN, and Relative Feed Value (on alfalfa or grass hay samples).

Dairies request our NIR RFQ package which upgrades the basic NIR by adding lignin, ash, fat, and fiber digestibility.

The NIR TDN package is equivalent to the RFQ package (plus starch for corn silage). The NIR Complete adds titratable acidity, and titrimetric acetic acid and lactic acid. We can also perform VFA analyses on our GC/FID.



Fertilizer, Manure/Compost, Agricultural Water

Weld Laboratories provides a full suite of fertilizer, manure, and compost analyses to assist formulators and farmers alike.

Fertilizer Packages

NPK Package - Total Nitrogen by AOAC 970.02, Phosphorus, Potassium \$54

Minerals – See Environmental Pkgs

Nitrate or Sulfate \$12

Karl Fisher Moisture \$40

Ammonia \$11

Manure/Compost

TKN (Total Kjeldahl Nitrogen) \$12

Phosphorus (as P₂O₅) \$16

Potassium (as K₂O) \$11

Organic Matter (by ignition) \$10

Basic Manure package (TKN, P, K, OM, Moisture & Solids, and C:N ratio) \$50

Additional Minerals or heavy metals see Feed Mineral Packages

Agricultural Water

Livestock Suitability (Ca, Mg, Na, Hardness, SAR, Nitrates, Sulfates, TDS, EC, pH) \$50

Livestock Complete (adds K, Fe, Cu, Zn, Mn, Fecal Coliforms, Alkalinity, Carbonate, Bicarbonate, Total Solids) \$100

Irrigation Suitability (Ca, Mg, Na, Hardness, SAR, Nitrates, Sulfates, TDS, EC, pH, Chlorides) \$60

Irrigation Complete (adds K, Mn, Iron Reducing Bacteria, Iron, Alkalinity, Carbonate, Bicarbonate, P, B, Total Solids, and Ammonia) \$130

Agricultural Soil Analyses

Our soil analyses follow standards set forth by the American Society of Agronomy. Every soil run must also pass a quality control check provided by the North American Proficiency Testing program. We know how important your soil is.

Main Packages

Routine Soil Fertility Package (includes pH, Salts, Organic Matter, Nitrate, Phosphorus, Potassium, Calcium, Sulfate, Zinc, and Texture estimation)	\$20
Essential Soil Package (includes Routine and adds Iron, Manganese, and Copper)	\$24
Complete Soil Package (includes Essential and adds Boron)	\$27.50
Nematode Cyst and Egg Count	\$30
Soil Probe Rental (per day)	\$5

Other Analyses

Subsoil nitrate	\$11
Soil Classification (%Silt, Clay, Fine Sand, and Sand)	\$30
CEC by exchange	\$35
Base Saturation + CEC by exchange	\$45
pH and Conductivity	\$10
Liming Requirement (buffer pH)	\$15



Environmental Analyses

As our broadest range of services, we are well equipped to handle many of your water/wastewater regulatory requirements.

Common Minerals by AA/AE

Aluminum	\$19
Barium	\$19
Cadmium	\$11
Calcium	\$11
Chromium	\$11
Copper	\$11
Iron	\$11
Lead	\$11
Lithium	\$11
Manganese	\$11
Molybdenum	\$19
Nickel	\$11
Potassium	\$11
Silver	\$11
Sodium	\$11
Zinc	\$11
Minerals by Hydride (or Cold Vapor)	
Arsenic (EPA 1632)	\$50
Selenium (EPA 7741)	\$50
Mercury (EPA 245.1)	\$50

Extractions/Digestions and Special Prep

Total Metal Digest	\$20
TCLP (Toxicity Characteristic Leaching Procedure) Extraction (includes Lead)	\$78
TCLP RCRA-8 (Includes Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Silver, and Selenium)	\$175

Drinking Water

Human Potability (Fecal Coliforms and Nitrates)	\$36
Human Starter (F. Coli, Total Coliforms, Nitrates, Nitrites, Lead (Pb), Fe, Cu, Mn, Chlorides, Sulfates, pH, EC, TDS, Hardness, SAR)	\$150
Human Complete (Human Starter package with a GC/MS screening)	\$220



Environmental Analyses (cont)

Nonmetals and specialty analyses

Chromium VI	\$18
AIA (Acid Insoluble Ash)	\$11
Alkalinity or Acidity by titration	\$11
Chloride	\$11
Fecal Coliforms	\$24
Total Coliforms	\$24
Nitrate and Nitrite separately	\$20
Nitrate (by Cd reduction)	\$12
Total Phosphorus (includes digest)	\$16
Ortho Phosphorus	\$11
pH	\$8.50
Conductivity/EC	\$11
SAR (includes Na, K, Mg in water)	\$33
Sulfate	\$11
Sulfide (qualitative > 1ppm)	\$11
Sulfide (quantitative)	\$22

Specialty Analyses (continued)

Sulfur (Gravimetric)	\$27.50
Total Dissolved Solids (TDS)	\$12
Total Suspended Solids (TSS)	\$12
Total Kjeldahl Nitrogen (TKN)	\$12
Hardness (includes Ca, Mg)	\$22

Soil Corrosivity Packages

Ten-point Soil Corrosivity: Soil pH, EC, Sulfide, Redox potential, and Minimum Laboratory Resistivity	\$110
Soil redox potential, Sulfide, Chloride	\$31
Complete Corrosivity Package: Ten-point (above) plus Sulfate, Chloride	\$130



Environmental Analyses (cont)

Regulatory Oxygen Analyses

Biological Oxygen Demand (BOD) 5d	\$40
CBOD ₅ (Carbonaceous 5-day BOD)	\$50
Chemical Oxygen Demand (COD)	\$35
Dissolved Oxygen	\$10

Gravimetric Petroleum Analyses

Soil/Water TRPH (SGT-HEM) Total Recoverable Petroleum Hydrocarbons as Silica Gel Treated Hexane Extractable Material)	\$63
Oil and Grease, Soil/Water TPH (HEM) (includes SGT-HEM analysis above)	\$80

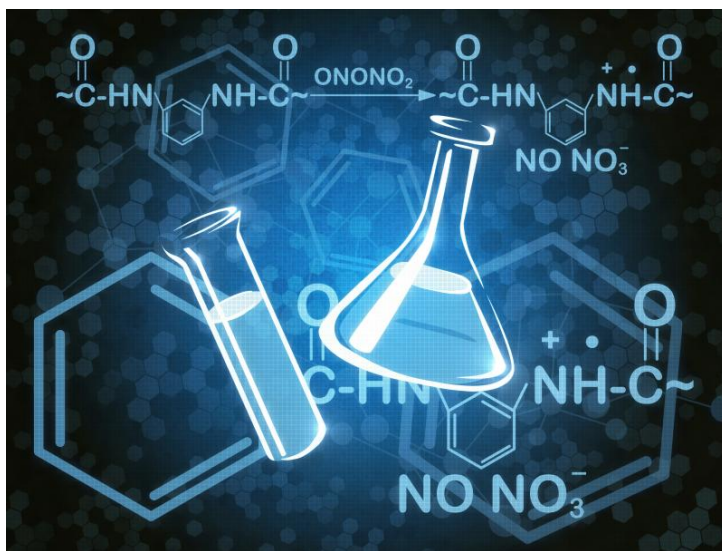
Chromatographic Analyses

Purgeable Organics by EPA 624 via Purge and Trap (EPA 5030/5035)	\$140
GRO (Gas Range Organics) or TVPH (Total Volatile Petroleum Hydrocarbons) by EPA 8015 via Purge and Trap (EPA 5030/5035)	\$66
BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) by EPA 602 via Purge and Trap (EPA 5030/5035)	\$66
BTEX + Gas Range Organics (TVPH) combo package	\$108
TEPH (Diesel Range Organics) by EPA 8015 via direct injection	\$89
EPA 8260 Volatile Organics (VOC) Package (includes BTEX)	\$180
EPA 8270 Semivolatile compounds	\$260
Saturated Paste soil SAR (includes Ca, Mg, Na)	\$55
Pit Closure Complete: includes BTEX + GRO combo package, TEPH (Diesel Range Organics), TRPH (EPA 418.1 modified), and a full suite of saturated paste analyses (pH, EC, TDS, SAR)	\$300
Other Hazardous Waste Packages	CALL





Please inquire about services not listed. Only our most common analyses listed here.



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Content herein subject to change without notice.