

# MISSISSIPPI STATE CHEMICAL LAB PRICING GUIDE

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ISO/IEC 17025:2017 Accredited Environmental and Chemical Testing  
*PJLA Certificate L18-459*



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# GENERAL INFORMATION AND TERMS

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*All prices and terms are subject to change without notice.*

## TERMS

Prepayment is required at the time of sample submission unless prior arrangements have been made with the Business Office (i.e. purchase order or credit card payment). No results will be released until payment has been received. All samples must be submitted with a completed and properly executed Chain-of-Custody/Sample Submission Form (COC/SSF) record. The COC/SSF record should be filled out in ink. In addition to name, address and contact information, additional information that must be included on the COC/SSF form in order for it to be considered complete is listed on the SSF's limitations of liability. Report of Analyses provided are considered to be a simplified report; detection limits, measurement of uncertainty, and analysis date/time are available upon request. For University Accounts: Any charges to invalid Fund Numbers/Activity Codes will be billed to your Overhead Account. Contact the Business Office at 662-325-7805 if the Account Number needs to be changed for future reference, or if you have questions regarding the charges. Payments are accepted via cash, check, credit card, banner account, wire, or purchase order. Any invoices paid with a credit card will have a convenience fee (2.8%) included in the price. Other terms can be found on the MSCL Sample Submission Form (F-004).

## SAMPLE INFORMATION

Samples must be received in the appropriate containers referenced in this document and be in good condition without any visible signs of damage or contamination. Sufficient sample volume must be received within the holding time defined by the regulatory agency to perform the analyses/methods requested. The amount of sample required to perform a specific test can vary considerably depending on the kind and number of analyses required. If you have any questions concerning sample size, container, or preservation requirements, please contact the laboratory before sending samples. All samples and sample containers must be properly labeled with a sample ID (limited characters), sample date and time for each sample and sample container and be in agreement with the COC/SSF record. Sample labeling must be completed using waterproof labels and permanent ink markings. Environmental samples require thermal preservation. Temperature for sample shipment/storage should be 2-60° C. It is the responsibility of the person collecting and packaging the samples to make sure the temperature requirements are met. Please note on the COC/SSF if samples may be hazardous or highly contaminated. Sample names should be those you wish to see in the final report.

## TURNAROUND TIME

30 working days is standard for most tests. Expedited results are usually available but are subject to priority charges. You will need to call and confirm the corresponding fee and availability.

## SAMPLE HOLDING AND DISPOSAL

Unless alternative arrangements are specified by the customer when samples are submitted to the laboratory, the excess from samples not used for analysis will be retained by the laboratory after reporting results for a minimum 30 days. If longer-term storage is necessary, a storage fee will be charged based on the type of sample being held. Please contact the laboratory if samples need to be saved.

## HAZARDOUS SAMPLE DISPOSAL

Samples that require special handling and disposal will be assessed a fee based on sample size and regulations. In some cases, the sample may be returned to the client to be disposed of at the client's expense.

## DISCOUNTS

In some cases, discounts can be applied for volume work. Please consult the laboratory for discounted analysis terms and application.

# Recommended Sample Container, Preservation, Storage & Holding Times Table

Parameter (Analyte)	Matrix	Analysis Technique	Container Type*	Temperature	Preservation	Holding Time(s) for Testing	Sample Weight (min)	Method(s)	Optimum Quantitation Limits (QLs)
Forage	Solid	NIR	PL/PA	NA	NA	30 days	Gallon ziplock bag filled	NIR	Various
Feeds	Solid	Elementar, Ankom	PL/PA	NA	NA	30 days	Quart ziplock bag filled	TM-408/TM- 410/TM-412	1%
Aflatoxins	Solid	ELISA	P/FP/G/PL/PA	NA	NA	30 days	20 g	TM-496	5 ppb
N-P-K	Poultry Litter/ Manure	Elementar, ICP-OES	P/FP/G/PL	NA	NA	30 days	Quart ziplock bag filled (double bagged)	Various	1%
Mercury	Solid/ Aqueous	DMA-80	P/FP/G/PL	Cool, ≤ 6°C	NA	30 days	5 g/ 5 mL	TM-008	0.6 ppb
Lead	Playground Soil	AA	P/FP/G/PL/PA	NA	NA	30 days	10 g (snack sized ziplock bag)	TM-018	400 ppm
Metals	Solid/ Aqueous	ICP-OES/ ICP-MS	P/FP	NA/Cool, ≤ 6°C	NA/HNO <sub>3</sub> , pH ≤ 2	30 days/ 7 days	20 g/20 mL	TM-017/TM- 015	200 ppb/1 ppb
Pesticides	Solid/ Aqueous	LC-MS/MS and/or GC- MS/MS	P/FP/G/PL/PA	Cool, ≤ 6°C	NA	30 days/ 7 days	20 g/1 L	TM-013/TM- 014	5 ppb/0.1 ppb

\* “P” is polyethylene; “FP” is fluoropolymer (i.e. PTFE, Teflon); “G” is glass; “PL” is any plastic; “PA” is paper.

# Fertilizer and Limestone Analysis

<b>POULTRY LITTER</b>	
Total N, P (P <sub>2</sub> O <sub>5</sub> ), Potash (K <sub>2</sub> O), pH, and Moisture	<b>\$35.00</b>
Minerals Package	<b>\$100.00</b>
Calcium, Magnesium, Sulfur, Sodium, Iron, Manganese, Copper, Zinc, Boron	

<b>FERTILIZERS</b>	
Nitrogen (Total)	<b>\$20.00</b>
Sulfur (Total)	<b>\$20.00</b>
Sulfur + Nitrogen	<b>\$25.00</b>
Phosphorus, Available (P <sub>2</sub> O <sub>5</sub> Equivalent)	<b>\$35.00</b>
Potassium, Soluble Potash (K <sub>2</sub> O Equivalent)	<b>\$35.00</b>
Total N, Available P (P <sub>2</sub> O <sub>5</sub> ), and Soluble Potash (K <sub>2</sub> O)	<b>\$75.00</b>
Minerals Package	<b>\$100.00</b>
Calcium, Magnesium, Sulfur, Sodium, Iron, Manganese, Copper, Zinc, Boron	

<b>LIMESTONES</b>	
Calcium Carbonate Equivalent (CCE)	<b>\$25.00</b>
Sieve Analysis (U.S Standards #10 & #50)	<b>\$20.00</b>
Additional Sieve Size (each)	<b>\$25.00</b>
Relative Neutralizing Value (RNV)	<b>\$60.00</b>
Includes CCE and Sieve Analysis #10 & #50	
Calcium and Magnesium Content	<b>\$25.00</b>
Moisture	<b>\$10.00</b>
Lime Combination Package: RNV (CCE, #10, #50,) Ca, Mg, & Moisture	<b>\$100.00</b>
<b>Pelletized Lime</b>	
Calcium Carbonate Equivalent (CCE)	<b>\$30.00</b>
Pelletized Lime: Wet Sieve plus #10 and #50 Sieve analysis)	<b>\$50.00</b>
Calcium and Magnesium Content	<b>\$30.00</b>
Pelletized - Relative Neutralizing Value (RNV)	<b>\$85.00</b>
Includes CCE and Sieve Analysis #10 & #50	

# Metal, Mineral, and Inorganic Analysis

<b>LEAD ANALYSIS OF PLAYGROUND SOIL OR PAINT CHIPS</b>	
30 Business Day Turnaround	<b>\$15.00</b>
14 Business Day Turnaround	<b>\$20.00</b>
3 Business Day Turnaround	<b>\$30.00</b>

<b>IONS BY ION CHROMATOGRAPHY (IC)</b>	
Anions Panel	<b>\$100.00</b>
Chloride, Fluoride, Sulfate, Nitrite, Nitrate, and Phosphate	
Cations Panel	<b>\$125.00</b>
Sodium, Potassium, Ammonium, Calcium, and Magnesium	
Individual Anions	<b>\$30.00</b>

<b>WATER AND WASTEWATER COMBINATION TESTS</b>	
Physical and Chemical (P&C) of Potable Water	<b>\$250.00</b>
Turbidity, pH, sediment, solids, carbonate, bicarbonate, fluoride, manganese sulfate, sodium, potassium, magnesium, calcium, hardness, lead, iron copper, cadmium, zinc, arsenic, chloride, alkalinity, and ammonium	
Irrigation Analysis	<b>\$125.00</b>
pH, conductance, carbonate, bicarbonate, sodium, calcium, magnesium, iron, sulfate, and chloride	
Fish Production Parameters	<b>\$130.00</b>
pH, alkalinity, carbonate, bicarbonate, chlorides, nitrates, nitrites, ammonia nitrogen, iron, calcium, magnesium and hardness	

<b>INDIVIDUAL WATER AND WASTEWATER ANALYSES</b>	
pH (Aqueous)	<b>\$5.00</b>
Hardness (Calcium Carbonate Equivalent from Ca + Mg)	<b>\$30.00</b>
Conductance	<b>\$15.00</b>
Turbidity	<b>\$25.00</b>
Alkalinity	<b>\$25.00</b>
Bicarbonate	<b>\$10.00</b>
Carbonate	<b>\$10.00</b>
Bicarbonate/Carbonate	<b>\$20.00</b>
Solids (Total, Dissolved, or Suspended)	<b>\$25.00</b>
Nitrogen (Total = TKN + NO <sub>2</sub> /NO <sub>3</sub> )	<b>\$50.00</b>

<b>METALS</b>	
<i>additional \$10 per sample for solids</i>	
Mercury	<b>\$30.00</b>
Aluminum	<b>\$10.00</b>
Antimony	<b>\$10.00</b>
Arsenic	<b>\$10.00</b>
Barium	<b>\$10.00</b>
Beryllium	<b>\$10.00</b>
Boron	<b>\$10.00</b>
Cadmium	<b>\$10.00</b>
Calcium	<b>\$10.00</b>
Chromium	<b>\$10.00</b>
Copper	<b>\$10.00</b>
Iron	<b>\$10.00</b>
Lead	<b>\$10.00</b>
Magnesium	<b>\$10.00</b>
Manganese	<b>\$10.00</b>
Molybdenum	<b>\$10.00</b>
Nickel	<b>\$10.00</b>
Phosphorous	<b>\$10.00</b>
Potassium	<b>\$10.00</b>
Selenium	<b>\$10.00</b>
Silver	<b>\$10.00</b>
Sodium	<b>\$10.00</b>
Thallium	<b>\$10.00</b>
Zinc	<b>\$10.00</b>
Individual metals not listed	<b>Request Quote</b>

<b>METALS COMBINATION TESTS</b>	
Panel of All Listed Metals	<b>\$250.00</b>
RCRA Metals	<b>\$80.00</b>
As, Ba, Cd, Cr, Pb, Hg, Se, Ag	
Priority Pollutants	<b>\$125.00</b>
Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn	

# Forage and Feed Analysis

Call for bulk pricing (more than 10 samples)

## FORAGE

NIR Analysis	<b>\$15.00</b>
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Dry Matter (DM), Crude Protein (CP), Acid Detergent Fiber (ADF), Neutral Detergent Fiber (NDF), Fat, Ash Lignin, and estimates for Calcium, Phosphorus, Potassium, and Magnesium	
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## FEED

### Fat

Acid Hydrolysis - <i>Fish or Pet (Dog, Cat) Treats and Feeds</i>	<b>\$35.00</b>
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Crude	<b>\$20.00</b>
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### Fiber

Crude	<b>\$25.00</b>
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Acid Detergent (ADF)	<b>\$15.00</b>
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Neutral Detergent (NDF)	<b>\$17.00</b>
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Lignin	<b>Call for Pricing</b>
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<b>Mycotoxins</b>	<b>Call for Pricing</b>
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ELISA Mycotoxin Tests for Aflatoxins (duplicate analysis)	
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ELISA Mycotoxin Tests (DON, Fumonisin, Ochratoxin, Zearalenone)	
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Aflatoxin Panel by HPLC-MS/MS (B1, B2, G1, G2).	
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Call for additional mycotoxins - DON, Fumonisin, Ochratoxin, Zearalenone, T-2/H-2	
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### Other

Ash (Total)	<b>\$15.00</b>
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Moisture	<b>\$10.00</b>
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Protein (Crude)	<b>\$15.00</b>
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Nitrate	<b>\$30.00</b>
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Dry Matter	<b>\$10.00</b>
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Metals and Minerals	<b>See Pages 6-7</b>
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Antibiotics	<b>Request Quote</b>
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## FEED COMBINATION TESTS

Feed Label Analysis (Protein, Fat, Fiber)	<b>See Below</b>
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Pet/Fish (Treats/Feeds) - <b>\$55</b> , Livestock Feeds - <b>\$45</b>	
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Proximate Analysis (Protein, Ash, Fat, Fiber, and Moisture)	<b>See Below</b>
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Pet/Fish (Treats/Feeds) - <b>\$65</b> , Livestock Feeds - <b>\$55</b>	
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Total Digestible Nutrients (TDN) (Calculated using Proximate Analysis)	<b>See Below</b>
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Pet/Fish (Treats/Feeds) - <b>\$75</b> , Livestock Feeds - <b>\$65</b>	
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# Petroleum Products Analysis

## OCTANE NUMBER

Research [RON] (ASTM D2699)	\$500.00
Motor [MON] (ASTM D2700)	\$500.00
NIR (ASTM E1655)	\$40.00

## MISCELLANEOUS

Density/A.P.I. Gravity (ASTM D4052)	\$25.00
Biodiesel (ASTM D7371)	\$35.00
Cetane Index (ASTM D976)	\$100.00
Includes Distillation and A.P.I. Gravity	
Distillation (ASTM D86)	\$70.00
Drivability Index (ASTM D4814)	\$145.00
Includes Distillation and Ethanol	
Ethanol/Oxygenates (ASTM D4815)	\$70.00
Flash Point (ASTM D93)	\$40.00
Water & Sediment (ASTM D4814)	\$20.00
Vapor Pressure (ASTM D5191)	\$40.00
Contamination Estimate	\$140.00
A.P.I., Distillation, Flash Point (if necessary)	
Diesel in Gasoline or Gasoline in Diesel (Estimation Only)	

# Pesticide, Environmental, and Industrial Analysis

## PESTICIDE FORMULATIONS

Percent Active Ingredient	<b>\$50.00</b>
Per individual analyte.	

## FORMULATION MISCELLANEOUS

Arsenicals (MSMA, DSMA, etc.)	<b>\$55.00</b>
Surfactants	<b>\$30.00</b>
Titration (e.g. Sodium Hypochlorite)	<b>\$40.00</b>

## PESTICIDE RESIDUE PANELS

<b>Custom Panel</b>	<b>(Request Quote)</b>
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<b>Chlorinated Phenoxy Acids (CPAs)</b>			<b>\$200.00</b>
2,4,5-T	Clpyralid	Pentachlorophenol	
2,4,5-TP	Dalapon	Picloram	
2,4-D	Dicamba	Pyriithiobac	
4-Nitrophenol	Dichlorprop	Quinclorac	
Acifluorfen	Dinoseb	Triclopyr	
Bentazone	Fomesafen		

<b>Carbamates</b>			<b>\$250.00</b>
1-Naphthol	Carbaryl	Methomyl	
Aldicarb	Carbofuran	Oxamyl	
Aldicarb Sulfone	Carbofuran 3-OH	Propoxur	
Aldicarb Sulfoxide	Methiocarb		

<b>Organochlorine Pesticides (OCs)</b>			<b>\$250.00</b>
4,4-DDD	cis-Chlordane	Heptachlor Epoxide	
4,4-DDE	trans-Chlordane	Hexachlorobenzene	
4,4-DDT	Dieldrin	Methoxychlor	
Aldrin	Endosulfan I	PCNB	
BHC-alpha	Endosulfan II	Pendimethalin	
BHC-beta	Endosulfan Sulfate	cis-Permethrin	
BHC-delta	Endrin	trans-Permethrin	
BHC-gamma	Heptachlor	Trifluralin	

<b>Multi-Use Pesticides</b>			<b>\$250.00</b>
Alachlor	EPN	Phosmet	
Ametryn	Hexazinone	Profenofos	
Butylate	Iprodione	Prometon	
Chlorpyrifos	Malathion	Pronamide	
Cycloate	Methyl Parathion	Tebuthiuron	
Diazinon	Metolachlor	Terbacil	
Diphenamid	Metribuzin	Terbufos	
Disulfoton	Molinate	Tribufos	
Disulfoton Sulfone	Norflurazon		
Disulfoton Sulfoxide	Phorate		

<b>Multi-Residue Pesticides</b>			<b>\$200.00</b>
Acetamiprid	Cyanazine	Metribuzin DA	
Atrazine	Diuron	Neburon	
Atrazine DE	Fenamiphos	Propanil	
Atrazine DEDI	Fenamiphos Sulfone	Propazine	
Atrazine DI	Fenamiphos Sulfoxide	Propham	
Carbofuran Phenol	Fluometuron	Simazine	
Carbofuran Phenol, 3-Keto	Imidacloprid	Thiacloprid	
Clothianidin	Linuron	Thiamethoxam	

<b>Neonicotinoids</b>			<b>\$175.00</b>
Acetamiprid	Imidacloprid	Thiamethoxam	
Clothianidin	Thiacloprid		

<b>Protoporphyrinogen Oxidase (PPO) Inhibitors</b>			<b>\$250.00</b>
Acifluorfen	Flumiclorac	Fluthiacet-methyl	
Fomesafen	Flumioxazin	Carfentrazone-ethyl	
Lactofen	Oxadiazon		
Saflufenacil	Sulfentrazone		

<b>Persistent Organic Pollutants (POPs)</b>			<b>\$250.00</b>
4,4-DDT	Endrin	Polychlorinated biphenyls	
Aldrin	Heptachlor	Polychlorinated dibenzo-p-dioxins	
Chlordane	Hexachlorobenzene	Polychlorinated dibenzofurans	
Dieldrin	Mirex	Toxaphene	

<b>Polychlorinated Biphenyls (PCBs) Dutch 7</b>			<b>\$250.00</b>
BZ-28	BZ-118	BZ-180	
BZ-52	BZ-138		
BZ-101	BZ-153		

<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>			<b>\$250.00</b>
1-methyl Naphthalene	Benzo (b) fluoranthene	Fluorene	
1-Methylphenanthrene	Benzo (e) pyrene	Indeno (1,2,3-cd) pyrene	
2,3,5-trimethyl Naphthalene	Benzo (g,h,i) perylene	Naphthalene	
2,6-dimethyl Naphthalene	Benzo (k) fluoranthene	Perylene	
2-methyl Naphthalene	Benzo (a) anthracene	Phenanthrene	
Acenaphthene	Biphenyl	Pyrene	
Acenaphthylene	Chrysene		
Anthracene	Dibenz (a,h) anthracene		
Benzo (a) pyrene	Fluoranthene		

<b>Organophosphates (OPs)</b>			<b>\$250.00</b>
Chlorpyrifos	Ethion	Phorate	
Diazinon	Ethoprop	Phosmet	
Dichlorvos	Fensulfothion	Terbufos	
Dimethoate	Malathion	Tetrachlorovinphos	
Disulfoton	Methyl Parathion		
EPN	Parathion		

<b>Pyrethroids</b>			<b>\$250.00</b>
Bifenthrin	Cypermethrin	Tefluthrin	
Cyfluthrin	Deltamethrin	cis-Permethrin	
Cyhalothrin	Fenvalerate	trans-Permethrin	

<b>Catfish Current Use Pesticides</b>			<b>\$300.00</b>
Acephate	DCPMU	Imidacloprid	
Atrazine	DCPU	Malathion	
Azoxystrobin	Deltamethrin	Myclobutanil	
Bifenthrin	Dicofol	Novaluron	
Chlorpyrifos	Dicrotophos	Profenofos	
Clomazone	Diuron	Propiconazole	
Chloransulam-methyl	Fenvalerate	Pyraclostrobin	
Cyfluthrin	Flonicamid	Thiamethoxam	
Cyhalothrin	Flumetsulam	Tribufos	
Cypermethrin	Fomesafen		

<b>PUFS AND FILTERS</b>			
Low Volume PUF - Single Pesticide			<b>\$100.00</b>
High Volume PUF - Single Pesticide			<b>\$175.00</b>
Filter - Single Pesticides			<b>\$100.00</b>
Additional Pesticides (each)			<b>\$25.00</b>

<b>INDIVIDUAL PESTICIDE</b>	
2,4-D	<b>\$125.00</b>
Aminocyclopyrachlor	<b>\$150.00</b>
Aminopyralid	<b>\$125.00</b>
Boscalid	<b>\$125.00</b>
Chlordane (cis)	<b>\$125.00</b>
Chlordane (trans)	<b>\$125.00</b>
Chlorothalonil	<b>\$125.00</b>
Clethodim	<b>\$125.00</b>
Coumaphos	<b>\$125.00</b>
Cyhalofop butyl	<b>\$125.00</b>
Cyhalothrin (Total)	<b>\$125.00</b>
Cyromazine	<b>\$150.00</b>
Dicamba	<b>\$150.00</b>
Dimethenamid-P	<b>\$125.00</b>
Dimethoate	<b>\$125.00</b>
Dinotefuran	<b>\$125.00</b>
Diphacinone	<b>\$125.00</b>
Diquat	<b>\$200.00</b>
Fipronil	<b>\$125.00</b>
Glyphosate	<b>\$200.00</b>
Ivermectin	<b>\$125.00</b>
Metolachlor (Total)	<b>\$125.00</b>
Metsulfuron methyl	<b>\$125.00</b>
Paraquat (not in soil matrices)	<b>\$200.00</b>
Permethrin (Total)	<b>\$125.00</b>
Sulfometuron methyl	<b>\$125.00</b>
Trifluralin	<b>\$125.00</b>
Individual Pesticides Not Listed	<b>(Request Quote)</b>

## Miscellaneous

<b>FOOD ANALYSIS</b>	
Sugar Panel	<b>\$75.00</b>
Fructose, Glucose, Lactose, Maltose, and Sucrose	
Salt in Meat Matrices (Total)	<b>\$40.00</b>
Salt (Sodium Chloride)	<b>\$40.00</b>
pH	<b>\$10.00</b>
Nutritional Labeling	<b>Request Quote</b>
Fatty Acid Profile by GC/FID	<b>Request Quote</b>
Cholesterol	<b>Request Quote</b>
<b>DYES</b>	
Dyes by ELISA	<b>\$50.00</b>
Malachite Green, Crystal Violet, Leucomalachite Green, Leucocrystal Violet	
Dyes by LC/MS	<b>\$200.00</b>
Malachite Green, Crystal Violet, Leucomalachite Green, Leucocrystal Violet	
<b>OTHER</b>	
Method Development/Validation for Research	<b>Request Quote</b>