



CATALOG OF ANALYTICAL SERVICES

GETTING STARTED WITH MIDWEST LABORATORIES

Choosing where to go for your organization's testing services is essential to ensuring the success of your organization. You want a testing facility where you'll find the specialized expertise you need, along with advanced technology to guarantee the accuracy of your results. We are happy to be your analytical laboratory of choice. Get started by registering on the myLab Portal, review our available analyses and call our client services team with any additional questions. Create sample submission paperwork on myLab portal

STEP 1. PICK YOUR ANALYSIS PACKAGE

Select from one of the many comprehensive analysis packages we've prepared for every industry we serve. You can also browse our full analysis offerings in our Catalog. It is broken out by the industries that we serve. All analyses will be invoiced after 30 days.



NOT SEEING AN ANALYSIS YOU NEED?

Submit a Method Development Request form and our team will research adding it to our services: midwestlabs.com/new-method-development-request

STEP 2. COMPLETE YOUR SUBMITTAL FORM

Sending in proper submittal paperwork with your samples is required at Midwest Labs. Proper paperwork serves as a packing slip to include in the box with your samples and ensures that testing are completed as accurately and efficiently as possible.



Submittal forms can be auto-created through our myLab Portal site, or printed from midwestlabs.com/resources/submittal-forms resources section and manually filled out.

STEP 3. HOW TO MAIL YOUR SAMPLES

Once your samples are prepared, labeled, and boxed up with your submittal form, please ship them to:

Midwest Laboratories

13611 B Street, Omaha, NE 68144

We also accept samples Monday through Friday from 8 am to 4 pm with local drop off and a drop box at our main entrance for after hours.



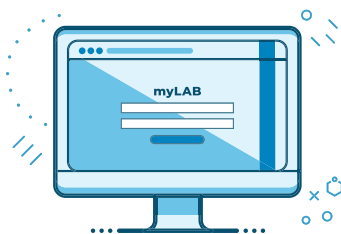
When using a Midwest Labs box, please utilize the space on top to mark each box. **Submittal forms are required with your samples.** If you are shipping multiple boxes, a submittal form must be included in every box.





STEP 4. HOW TO VIEW YOUR RESULTS

You can view that your analysis is in progress and reported in your myLab Portal under View Reports. We will also email your completed results to you. After 30 days from your analysis testing, you will be invoiced. You can view and pay for your invoice in the myLab Portal under View Invoices.



STEP 5. CREATE YOUR MYLAB PORTAL ACCOUNT

To make your experience with Midwest Labs as seamless as possible, we ask that you create a myLab Portal Account. The myLab Portal is our online account management system and allows you to create new users, download results, pay your invoice, and store all data in one online platform 24/7. Also available in Mobile App.

SUBMIT SAMPLES

Submit Samples

Account: [myLAB ACCOUNT](#)

ONE REPORT PER SAMPLE

Soil (Agriculture) [CHANGE](#) [VIEW LAB PRICES](#) [VIEW LAB PRICES](#)

Location: Additional E-mail:
 Name: Comment:
 Email:
 Search Code:

Sample ID: Test: Depth: Recommendation:

CREATE USER ACCOUNTS & ASSIGN ROLES

Select Accounts & Roles

On this page you will be able to manage accounts assigned to your profile.

☐ YOUR NAME HERE (YOUR TOWN, NE)

☐ Account Admins ☐ Order Tests ☐ View Reports ☐ Order Supplies ☐ Billing

Account Number:

Account Number:

Make an account to this log

VIEW REPORTS

View Reports

Accounts: ALL ACCOUNTS [myLAB ACCOUNT](#)

Filter Reports: Start Date: End Date:

Information Reports:

Account: Date Reported: Report Number:

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 Oct 18, 2020 25/66
 Oct 7, 2020

SOIL ANALYSIS REPORT

LAB NUMBER	CLIENT CONFIGURATION	DATE	TIME	TESTS	RESULTS	UNITS	STATUS	REMARKS
238771	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238772	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238773	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238774	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238775	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238776	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238777	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238778	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238779	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238780	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238781	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238782	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238783	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238784	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238785	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238786	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238787	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238788	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238789	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238790	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238791	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238792	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238793	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238794	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238795	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238796	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238797	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238798	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238799	1	2020-09-28	10:00	34	25.00	g/kg	OK	
238800	1	2020-09-28	10:00	34	25.00	g/kg	OK	

Midwest Laboratories

VIEW & PAY INVOICES

Start Date: End Date:

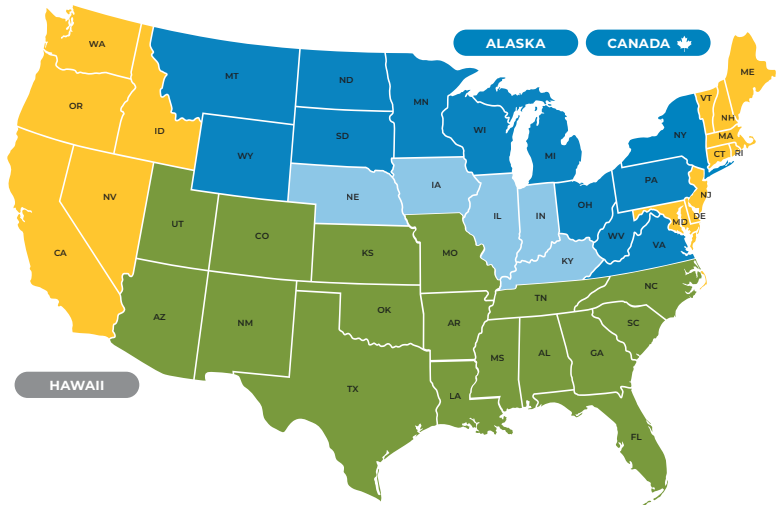
Customer Settings:

Account	Invoice Date	Due Date	Balance	Pay	Invoice
202001	2020-10-01	2020-10-01	\$121.00	<input type="button" value="PAY"/>	<input type="button" value="VIEW"/>
202010	2020-10-01	2020-10-01	\$121.00	<input type="button" value="PAY"/>	<input type="button" value="VIEW"/>

SPECIALTY SERVICE OFFERINGS

AGRONOMIC RECOMMENDATIONS & TRAININGS

Midwest Laboratories offers agronomic consulting and training by our team of Field Agronomists. Located in three states and traveling North America our field representatives are available for on site trainings, seminars, personalized client meetings, and in season planning. Contact your representative below for in-depth agronomic consultation.



West Coast & North East Region

Ashley Babl

Field Representative

(Specialty Crops / Agriculture)

(402) 804-0413

ABabl@midwestlabs.com

Southern Region

Jim Grilliot

Field Representative

(Agriculture)

(402) 699-2613

JGrilliot@midwestlabs.com

Northern Region, Canada & International Accounts

Jim Fasching

Field Representative (Agriculture)

(507) 273-3339

JFasching@midwestlabs.com

Eastern Midwest Region

Tim Radmacher

Field Representative

(Nutrient Management/Agriculture)

(531) 222-6972

TRadmacher@midwestlabs.com

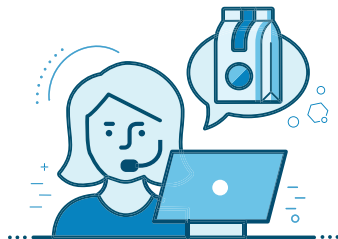
For a formal sales quote or customized analysis package,
please contact your account manager.

ACCESSIBLE & RESPONSIVE CLIENT SERVICE TEAM

Our client service staff is always on hand to assist you with questions during our standard business office hours. If you are unable to call, you have the option to text your inquiry to our client service staff. Responses will be sent back to your mobile device.

CALL US: 402. 334. 7770

TEXT US: 402. 313. 4050



Questions can also be submitted through our website at

MIDWESTLABS.COM/CONTACT-US

Our main office is located at **13611 B STREET, OMAHA, NE 68144.**

Standard business office hours: Monday – Friday, 8:00am – 5:00pm CST

Standard sample receiving hours: Monday – Friday, 8:00am – 5:00pm CST

Saturday receiving hours: 8:00am – 12:00pm CST via USPS, UPS, FedEx, and Speedee

Our Offices and Laboratories are closed in observation of the following US holidays:

New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day.

CUSTOMIZED CLIENT ONBOARDING & FREE ONLINE RESOURCES

Our Client Onboarding Specialist is available to help you get started and submit your samples. We offer training on the MyLab Portal, sampling supplies, custom analysis packages, or user settings and overall account set up. Ultimately, we work to create a seamless onboarding experience for all of our partners.

We also have an online resource library available at **MIDWESTLABS.COM**, allowing you to research topics at your leisure. The library includes white papers, MyLab Portal training guides, agronomic recommendations, and industry specific reference guides along with helpful FAQ documents that cover common questions.

API INTEGRATION

Customized API integration is available for our REST API systems. For access to our API system and test platform please contact your account manager.

ENVIRONMENTAL FIELD SAMPLING

Midwest Labs offers environmental field sampling for wastewater treatment plants, city municipalities, manufacturing facilities and more. Please contact our environmental account management team with your permit and required sampling plan for a formal project quote. Sampling supplies, travel, and service fee is separate from the cost of analysis.



GENERAL SUBMISSION PROCESS

DISCOUNTED SHIPPING LABELS & SAMPLING SUPPLIES

All samples are to be received by Midwest Laboratories during normal business hours. Samples will be received via Walk In, USPS, UPS, FedEx, and Speedee delivery services. Samples must be received with a completed sample submittal form to be accepted for analysis. Please contact your account manager with questions regarding delivery times.



Midwest Labs accepts shipment from all major couriers. Discounted shipping options are available to Midwest Labs clients for UPS, Speedee Delivery, and FedEx. Please ship your samples directly to: **MIDWEST LABORATORIES, 13611 B STREET OMAHA, NE 68144.**

Sampling supplies are available to order through your myLab Portal account or by contacting your account manager. Supplies can be shipped directly to you or picked up at our shipping warehouse located at **13505 C STREET OMAHA, NE 68144** during the following business hours: Monday – Friday, 7:00am – 4:00pm CST.

REGULATORY OR HOLD TIME SENSITIVE SAMPLES

Samples that are subject to a regulatory 'hold time' must be delivered by 4:00PM, Monday-Friday. **If your sample is submitted in a sterile bottle for water testing please be advised hold times may apply.** Samples may be rejected or require resampling if not received within the required time frame for analysis. Contact your account manager or refer to the sample submission instructions included with your supplies to learn if hold times apply to your sample.

TURNAROUND TIME

Turnaround time will vary depending upon the analysis requested, the matrix of the sample, and other additional factors. We are committed to processing each sample as soon as possible. Additional turnaround time details can be found throughout the fee schedule. For questions on turnaround time or expected results please contact your account manager. A partial or verbal report may be available upon request.

REPORTED RESULTS

Midwest Laboratories offers access to your reports via email, mail, or through our online myLab Portal. Account holders can create a myLab user profile to access their results, print sample submission paperwork, and view billing statements or invoices through one convenient dashboard and online profile. All reports will be emailed unless paper copies are requested at time of account set up.

INVOICING

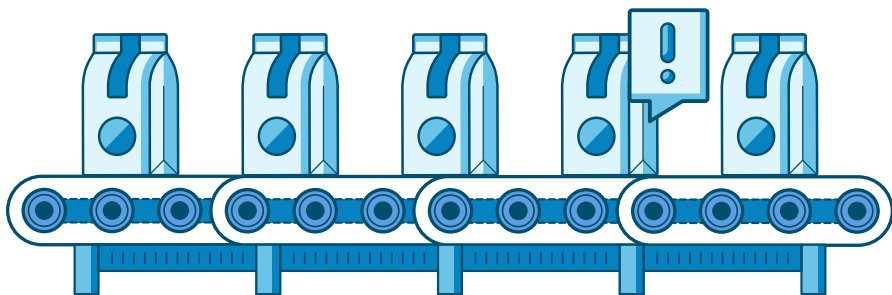
You will be invoiced at the beginning of each month for any work completed in the month prior. Once you receive your invoice, you may pay through the myLab Portal with a credit card, send in a check, or call in payment. All analysis is subject to NET30 Payment terms unless an RFP or formal agreement has been signed and documented with agreed upon payment terms. A valid account number and invoicing email address or physical mailing address will be required at time of sample submission.



RUSH & OUTSOURCING PROGRAMS

The Rush Program is a fee-based premium service reserved for customers who need accelerated turnaround time for a sample or requested analysis. Rush requests must be submitted to our Rush Coordinator for an estimated cost and an estimated turnaround time. A price quote will be provided and a signed acknowledgment must be returned to begin rush analysis. We will respond to all rush requests on the same day as received, Monday-Friday (8:00am-4:30pm CST). Rush requests received outside of these hours will be addressed immediately on the following business day. A rush fee will be applied to all rush orders and not all analysis are available for the Rush Program. Please contact our Rush Coordinator for more information at RUSH_COORDINATOR@MIDWESTLABS.COM.

Don't see the analysis you need? Reach out to your Account Manager and ask about our Outsource Program. Midwest Laboratories may be able to forward your sample along to a trusted, 3rd party lab on behalf of us. We take care of the shipping, handling and reporting.



LABOR & CONSULTING FEES

Midwest Laboratories reserves the right to charge a fee for labor and consulting. This may include clerical, corporate office, technical consulting, chemist assistance, sample prep, or IT integrations and API services. Please contact your account manager for specialized project requests and a project quote.

ADDITIONAL FEES INCLUDE:

ADDITIONAL SAMPLE PREPARATION

An additional sample prep fee may be added to the cost of analysis if the sample is a large volume, requires compositing, preservations are required or the sample is a complex matrix that requires validation.

RE-RUN POLICY

Clients questioning the results of their analysis may request a re-run or re-test of the sample. If the re-run confirms the original result, within method uncertainty or variability, Midwest Labs reserves the right to charge for the rerun analysis. Expected levels or acceptable range may be requested prior to rerunning the analysis.

MANUAL REPORTING

Midwest Laboratories offers a universal REST API upon request. To receive API information, please contact your Account Manager. Requests for data, submissions, and transfers must be coordinated with IT management and approved by the Midwest Laboratories Management Team. API integration projects will be assessed a fee based upon programming time and complexity of the project.

METALS PREP FEE

The Laboratory will select the method deemed to be most appropriate unless the client or a regulatory body specifies a method. Each sample must be prepared by an appropriate method of digestion, filtration or extraction.

QUALITY CONTROL

Midwest Laboratories follows rigorous Quality Control specifications set forth by the reference methods we perform and by our Accreditation Bodies.

Midwest Laboratories carries extensive NELAC and ISO 17025 accreditations as demonstrated by our commitment to quality. Midwest Laboratories has met stringent quality requirements for precision and accuracy. The scope of our accreditations can be obtained through our website. ISO 17025 and NELAC accreditation can be requested by calling the QA Director or your Account Manager.

If requested, a QA/QC report can be issued to support analytical data. Quality Control paperwork may be charged depending upon the time involved. Please contact QA Director at 402-334-7770 for additional information.



**BIOLOGICAL & CHEMICAL
TESTING CERT.#2853.01/.02**



BBB RATING & ACCREDITATION

IN-HOUSE QUALITY CONTROL PERSONNEL

- Quality Assurance Director
- Director of Customer Success
- Quality Control Analysts

WE PARTICIPATE IN THE FOLLOWING PROFICIENCY TESTING PROGRAMS:

- | | |
|---|--------------------------------------|
| • Phenova (drinking water, wastewater, hazardous waste) | • NAFT (soil and plant analysis) |
| • AAFCO (animal feed, pet food ingredients, mycotoxins) | • CAPP (compost analysis) |
| • AOAC (microbiology) | • Magruder (fertilizer analysis) |
| • FAPAS (various food analyses) | • MAP (manure analysis) |
| • AACC (Vitamins, Minerals, Proximates; dietary fiber; sugar profile) | • USDA (GMO) |
| • ALP (soil analysis) | • Wisconsin Proficiency Test Program |
| | • ALTA (Soils) |
| | • Iowa DALs (Soils) |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



FOOD & INGREDIENT

FOOD & INGREDIENT INTRODUCTION



From Food Safety Modernization Act (FSMA) compliance to nutritional labeling and shelf life testing, we have the power to ensure the safety and quality of your products. Our food and ingredient tests include nutritional labeling, shelf life testing, microbiology food screenings, allergen testing and GMO testing.

POPULAR ANALYSIS WE OFFER:

- Shelf Life Stability & Sensory
- Allergens
- Nutritional Labeling (Analytical & Database)
- Pesticides
- Meat Speciation
- GMOs

Please reference the following section for a list of available analytical services. Services are listed by name, along with their required sample size, turnaround time, and price. Here is an example of how our analyses are listed:

★ ANALYTICAL PACKAGE *	Required Sample Size	Turnaround Time	PRICE
Description of test package and included analyses.			

Below the analytical package name will be a description of test package and a list of all included analyses. Our most popular and commonly used packages will be noted with a star icon (★). Some analyses may also be marked with an asterisk (*) or other symbols, letting you know to reference the additional notes in the footer of the page.

Our client service staff is always on hand to assist you with questions: [402.334.7770](tel:402.334.7770) | contactus@midwestlabs.com
If a quicker turnaround time is needed, please contact our Rush Coordinator: rush_coordinator@midwestlabs.com



FOOD & INGREDIENT STANDARD PACKAGES

	Required Sample Size	Turnaround Time	Price
★ NUTRITIONAL LABELING (2020 FDA FORMAT)	250g	10 - 12 BD	\$800.00
Complete nutritional label (Raw data plus Nutrition Facts Panel)			
NUTRITIONAL LABELING OF PRODUCE	250g	10 - 12 BD	\$700.00
NUTRITIONAL LABELING OF ALCOHOL	250g	10 - 12 BD	\$850.00
Total Sugars, Fiber Sugar, Carbohydrates, Non-alcohol Carbohydrates, Fatty Acid Profile, Sugar Profile, Vitamin D3, Moisture (Karl Fischer), Cholesterol, Ethanol, Kjeldahl protein, Fat by Acid Hydrolysis, Ash, Calories, Potassium, Iron, Sodium, Calcium, Density at 20° C, Alcohol Content and added Sugars			
NUTRITIONAL LABEL IN RAW MEAT	250g	10 - 12 BD	\$650.00
Proximates, Minerals, Cholesterol, Fatty Acid Profile, Vitamin D			
NUTRITIONAL LABEL VIA DATABASE	Recipe, Requires spec/nutrition sheets.	5 - 7 BD	\$120.00
LABEL CONVERSION (FROM U.S. LABEL)			
Canadian	--	5 - 7 BD	\$35.00
European	--	5 - 7 BD	\$35.00
Mexico	--	5 - 7 BD	\$35.00
LABEL CHANGES	--	5 - 7 BD	\$35.00
★ PROXIMATES IN MEATS & NON-MEATS	100g	5 - 7 BD	\$80.00
Moisture, Protein, Fat, Ash, Calories, Carbohydrates			
PROXIMATE COMPONENTS			
Ash	20g	3 - 5 BD	\$20.00
Fat (Acid Hydrolysis)	20g	3 - 5 BD	\$35.00
Fat (Eggs)	20g	3 - 5 BD	\$35.00
Fat (Cheese)	20g	3 - 5 BD	\$45.00
Fat (Pet Ether Extraction)	20g	3 - 5 BD	\$35.00
Moisture (Convection Oven)	20g	3 - 5 BD	\$20.00
Moisture (Vacuum Oven)	20g	3 - 5 BD	\$20.00
Moisture (Karl Fischer)	20g	3 - 5 BD	\$35.00
Protein (Combustion)	10g	3 - 5 BD	\$30.00
Protein (Kjeldahl)	10g	3 - 5 BD	\$35.00

	Required Sample Size	Turnaround Time	Price
AMINO ACID PROFILE	50g	7 – 10 BD	\$300.00
Alanine, Arginine, Aspartic acid, Cystine, Glutamic acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tryptophan, Tyrosine, Valine. <i>(Requires Protein)</i>			
BASIC MINERALS	100g	5 – 7 BD	\$75.00
Calcium, Iron, Potassium, Sodium			
CHOLESTEROL	50g	5 – 7 BD	\$120.00
★ FATTY ACID PROFILE	50g	7 – 10 BD	\$185.00
Saturated, Mono and Polyunsaturated, Trans Fatty Acids, Omega 3, Omega 6, Omega 9. <i>(Requires Fat)</i>			
FATTY ACIDS/CHOLESTEROL	50g	7 – 10 BD	\$250.00
Fatty Acid Profile, Cholesterol. <i>(Requires Fat)</i>			

GMO DETECTION (DDPCR)	Required Sample Size	Turnaround Time:	Basic Screen Price	Event Specific Price
Alfalfa	100g	5 – 7 BD	\$175.00	\$100.00
Canola	100g	5 – 7 BD	\$175.00	\$100.00
Corn	100g	5 – 7 BD	\$350.00	\$100.00
Flax	100g	5 – 7 BD	\$175.00	\$100.00
Papaya	100g	5 – 7 BD	\$175.00	\$100.00
Potato	100g	5 – 7 BD	\$175.00	\$100.00
Rapeseed (Canola)	100g	5 – 7 BD	\$175.00	\$100.00
Rice	100g	5 – 7 BD	\$175.00	\$100.00
Soy	100g	5 – 7 BD	\$295.00	\$100.00
Sugar Beets	100g	5 – 7 BD	\$175.00	\$100.00
Squash/zucchini	100g	5 – 7 BD	\$175.00	\$100.00
Tomato	100g	5 – 7 BD	\$175.00	\$100.00
Wheat	100g	5 – 7 BD	\$175.00	\$100.00

	Required Sample Size	Turnaround Time	Price
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MEAT SPECIATION (DDPCR)

Alligator	Chicken	Horse	Rabbit	Turkey
Beef	Duck	Kangaroo	Sheep	Venison
Bison	Goat	Pork	Salmon	
Any one (1) of the above species		100g	4 - 5 BD	\$150.00
Any two (2) of the above species		100g	4 - 5 BD	\$225.00
Any three (3) of the above species		100g	4 - 5 BD	\$300.00
Any four (4) of the above species		100g	4 - 5 BD	\$375.00

SUGAR ALCOHOL PACKAGE (HPLC)

Glycerin (Glycerol), Mannitol, Sorbitol, Xylitol	25g	7 - 10 BD	\$320.00
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SUGAR ALCOHOL (HPLC)

Glycerin (Glycerol)	25g	7 - 10 BD	\$80.00
Lactitol	25g	7 - 10 BD	\$250.00
Mannitol	25g	7 - 10 BD	\$250.00
Maltitol	25g	7 - 10 BD	\$250.00
Sorbitol	25g	7 - 10 BD	\$250.00
Xylitol	25g	7 - 10 BD	\$250.00

★ SUGAR PROFILE (HPLC)

Glucose, Fructose, Lactose, Maltose, Sucrose	50g	5 - 7 BD	\$100.00
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USP/FCC MONOGRAPHS

For a current list of the Monographs we offer and pricing, **PLEASE CALL 402-334-7770.**

	Required Sample Size	Turnaround Time	Price
INDIVIDUAL ANALYSIS			
Acrylamide	50g	5 – 7 BD	\$150.00
Alcohol	200mL	5 – 7 BD	\$120.00
BRIX	50g	5 – 7 BD	\$40.00
Bulk Density	100g	4 – 6 BD	\$15.00
Caffeine (liquid only)	100g	5 – 7 BD	\$125.00
Filth (Light)	200g	5 – 7 BD	\$50.00
Filth (Heavy)	200g	5 – 7 BD	\$50.00
Fluoride	100g	5 – 7 BD	\$20.00
Gardner Color (oils)	100mL	3 – 5 BD	\$25.00
Hunter Color (solids)	100g	2 – 3 BD	\$16.00
Hydroxyproline (Collagen calculation)	100g	10 – 12 BD	\$115.00
Leak Detection	1 package	2 – 3 BD	\$20.00
Lovibond Color – Red (oils)	100mL	4 – 6 BD	\$20.00
Lovibond Color – Yellow (oils)	100mL	4 – 6 BD	\$20.00
Melting Point	100g	5 – 7 BD	\$75.00
Nitrate/Nitrite in Food Products	25g	5 – 7 BD	\$70.00
Nitrate/Nitrite in Dairy Products	25g	5 – 7 BD	\$70.00
Nitrite (in foods)	25g	5 – 7 BD	\$50.00
Patulin*	--	--	--
pH	10g	4 – 6 BD	\$10.00
Reducing Sugar	100g	5 – 7 BD	\$100.00
Salt (Volhard Titration)	10g	3 – 5 BD	\$35.00
Saponification Value	100g	3 – 5 BD	\$50.00
Sensory Evaluation		4 – 6 BD	\$25.00
Sensory Panel	\$10.00 PER ATTRIBUTE PER PANELIST		
Sulfite	200g	3 – 5 BD	\$120.00
Sulfated Ash	20g	5 – 7 BD	\$50.00
Texture Analysis	20g	3 – 5 BD	\$40.00
TBHQ	50g	5 – 7 BD	\$110.00
Titratable Acidity	100g	4 – 6 BD	\$50.00
Water Activity	5g	3 – 5 BD	\$25.00

* Available for outsource, please contact your Account Manager more information.



FOOD & INGREDIENT BREWERIES

	Required Sample Size	Turnaround Time	Price
BREWER WATER	500mL	5 - 7 BD	\$91.50
Bicarbonate as CaCO ₃ , Carbonate as CaCO ₃ , Alkalinity, pH, Sodium, Calcium, Magnesium, Sulfate, Chloride, Hardness			
BREWER HOPS	50g	1 - 2 BD	\$45.00
Alpha Acids (Hops), Beta Acids (Hops), Alpha Acid (Cohumulone), Beta Acids (Colupulone), Alpha Acid (n-+ Adhumulone), Beta Acid (n-+ Ad-lupulone), Moisture (Hops)			
BREWER FINAL PRODUCT	200g	5 - 7 BD	\$200.00
Maltose, Sucrose, Fructose, Glucose, Lactose, Density at 20° C, Alcohol Content (ABV)			
HOPS ESSENTIAL OILS	125g dried 200g wet	10 - 12 BD	\$150.00
Alpha humulene, Alpha pinene, Beta Caryophyllene, Beta pinene, Beta-Myrcene, Citronellol, Farnesene, Geraniol, Limonene, Linalool			
TOTAL OIL CONTENT	125g dried 200g wet	5 - 7 BD	\$80.00



FOOD & INGREDIENT METALS

	Required Sample Size	Turnaround Time	Price
★ CLASS I HEAVY METALS PACKAGE	50g	5 – 7 BD	\$140.00

References USP <233> Human Consumables & Supplements – Arsenic, Cadmium, Lead, Mercury

CLASS II HEAVY METALS PACKAGE	50g	10 – 12 BD	\$160.00
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References USP <233> Human Consumables & Supplements – Chromium, Copper, Iridium, Molybdenum, Nickel, Osmium, Palladium, Platinum, Rhodium, Vanadium

HEAVY METALS IN FOODS PACKAGE	50g	5 – 7 BD	\$160.00
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Arsenic, Cadmium, Lead, Mercury, Total Heavy Metals (sum of Antimony, Arsenic, Bismuth, Cadmium, Copper, Lead, Mercury, Molybdenum, Silver, Tin)

FOR ADDITIONAL METALS TESTINGS, REFER TO "INORGANIC METALS" ON PAGE 77



FOOD & INGREDIENT ADDITIONAL TEST PACKAGES

ALLERGENS*

Almond/Mandel	10g	3 – 5 BD	\$100.00
Coconut	10g	3 – 5 BD	\$75.00
Crustacean	10g	3 – 5 BD	\$100.00
Egg	10g	3 – 5 BD	\$75.00
Fish	10g	3 – 5 BD	\$100.00
Gluten	10g	3 – 5 BD	\$75.00
Milk	10g	3 – 5 BD	\$75.00
Hazelnut	10g	3 – 5 BD	\$100.00
Lupine	10g	3 – 5 BD	\$100.00
Macadamia	10g	3 – 5 BD	\$100.00
Mustard	10g	3 – 5 BD	\$100.00
Peanut	10g	3 – 5 BD	\$100.00
Pecan	10g	3 – 5 BD	\$100.00
Sesame	10g	3 – 5 BD	\$100.00
Soy	10g	3 – 5 BD	\$75.00
Walnut	10g	3 – 5 BD	\$100.00

*All allergens available as swab analysis. All swabs must be ordered through Midwest Labs.

	Required Sample Size	Turnaround Time	Price	
CALCULATIONS				
Moisture Protein Ratio	100g	5 – 7 BD	\$50.00	
Water Phase Salt	15g	5 – 7 BD	\$55.00	
FIBER				
Fiber (Total Dietary)	200g	5 – 7 BD	\$200.00	
Total Fiber (Soluble & Insoluble Breakdown)	100g	5 – 7 BD	\$300.00	
HEADSPACE ANALYSIS (BS EN 14110)	Call for sample size	3 – 5 BD	\$80.00/EA	
1-Butanol	2-propanol	Amyl alcohol	Hexanal	Methanol
1-propanol	Acetone	Ethanol	Hexane	Propanal
2-methyl 1-propanol				
INULIN (FROM CHICORY)	200g	7 – 9 BD	\$165.00	
IODINE	25g	5 – 7 BD	\$82.00	
(Includes sample preparation)				
MERCURY (ICP-MS)	25g	5 – 7 BD	\$45.00	
(Includes sample preparation)				
ORGANIC ACIDS	100g	7 – 10 BD	\$120.00	
Acetic, Butyric, Lactic & Propionic Acids				
OXIDATION INDICATORS				
Acid Value (need expected value)	100g	4 – 6 BD	\$30.00	
Oxidative Stability Index (OSI)	100g	5 – 7 BD	\$85.00	
Free Fatty Acid	100g	5 – 7 BD	\$30.00	
Hexanal	50g	5 – 7 BD	\$80.00	
Iodine Value	25g	5 – 7 BD	\$50.00	
p-Anisidine	50g	5 – 7 BD	\$30.00	
Peroxide Value	100g	5 – 7 BD	\$30.00	
TBA (Thiobarbituric Acid)	20g	4 – 6 BD	\$60.00	

		Required Sample Size	Turnaround Time	Price
RESIDUAL SOLVENTS I *		200g	7 - 10 BD	\$125.00
1,2 - Dichloroethane	1,10 - Dichloroethane	1, 1, 1 - Trichloroethane	Benzene	Carbon Tetrachloride

RESIDUAL SOLVENTS II *		200g	7 - 10 BD	\$175.00
1,2 - Dichloroethane	Chlorobenzene	Methyl Butylketone	Nitromethane	Tetralin
1,4-Droxane	Chloroform	Methyl Cyclohexane	Pyridine	Toluene
Acetonitrile	Hexane	Methylene Chloride	Tetrahydrofuran	Trichloroethene
Chlorobenzene	Methanol			

RESIDUAL SOLVENTS III *		200g	7 - 10 BD	\$250.00
1-Butanol	2-methyl-1-propanol	Acetone	Ethyl ether	Pentane
1-propanol	2-propanol	Ethanol	Heptane	Tert-butyl methyl ester
2-Butanol	3-Methyl-1-butanol			

VISCOSITY

Brookfield	500mL	4 - 6 BD	\$60.00
Capillary	100mL	4 - 6 BD	\$60.00
Kinematic	50mL	5 - 7 BD	\$60.00
RVA testing (Rapid Visco Analyzer) (requires moisture)	25g	3 - 5 BD	\$80.00

* Footnote: USP <467> for Pharmaceutical and supplemental type matrices



FOOD & INGREDIENT VITAMINS

	Required Sample Size	Turnaround Time	Price
VITAMIN A PACKAGE	100g	5 - 7 BD	\$150.00
Vitamin A (as Beta Carotene), Vitamin A (as Retinol)			
VITAMIN B PACKAGE			
Vitamin B2 (Riboflavin)	Vitamin B5 (Pantothenic Acid)	Vitamin B7 (Biotin)	Vitamin B12 (Cyanocobalamin)
Vitamin B3 (Niacin)	Vitamin B6 (Pyridoxine)	Vitamin B9 (Folic)	
Any one (1)	100g	7 - 10 BD	\$125.00
Any two (2)	250g	7 - 10 BD	\$200.00
Any three (3)	250g	7 - 10 BD	\$300.00
Full Screen	250g	7 - 10 BD	\$700.00
VITAMIN D PACKAGE	250g	5 - 7 BD	\$350.00
Vitamin D2 (Ergocalciferol), Vitamin D3 (Cholecalciferol)			
VITAMIN E PACKAGE	250g	5 - 7 BD	\$225.00
Total Tocopherol: Alpha, Beta, Delta, Gamma			
INDIVIDUAL VITAMINS & SUPPLEMENTS			
Vitamin A (as Beta Carotene)	100g	5 - 7 BD	\$100.00
Vitamin A (as Retinol)	100g	5 - 7 BD	\$100.00
Vitamin B1 (Thiamine)	100g	7 - 10 BD	\$110.00
Vitamin B4 (Choline Chloride)	100g	7 - 10 BD	\$125.00
Vitamin C (Ascorbic Acid)	100g	5 - 7 BD	\$100.00
Vitamin C (Stay C)	100g	5 - 7 BD	\$100.00
Vitamin D2 (Ergocalciferol)	250g	5 - 7 BD	\$300.00
Vitamin D3 (Cholecalciferol)	250g	5 - 7 BD	\$300.00
Vitamin E (Alpha)	250g	5 - 7 BD	\$185.00
Vitamin E (Beta)	250g	5 - 7 BD	\$185.00
Vitamin E (Delta)	250g	5 - 7 BD	\$185.00
Vitamin E (Gamma)	250g	5 - 7 BD	\$185.00



FOOD & INGREDIENT MICROBIOLOGY

	Required Sample Size	Turnaround Time	Price
★ FS1: FOOD SCREEN	100g	5 D	\$75.00
Total Plate Count, Total Coliforms, E. coli, S. aureus, Salmonella, Yeast & Mold. <i>2 environmental swabs or sponges will be required to conduct this analysis.</i>			
FS2: FOOD SCREEN PLUS LISTERIA	100g	5 D	\$90.00
Total Plate Count, Total Coliforms, E. coli, S. aureus, Salmonella, Yeast & Mold, Listeria <i>3 environmental swabs or sponges will be required to conduct this analysis.</i>			
FS3: FOOD SCREEN PLUS LISTERIA & E. COLI O157	150g	5 D	\$120.00
Total Plate Count, Total Coliforms, E. coli, S. aureus, Salmonella, Yeast & Mold, Listeria, E. coli O157 <i>4 environmental swabs or sponges will be required to conduct this analysis.</i>			
AEROBIC PLATE COUNT			
Rapid 3M Petrifilm™	50g	1 D	\$20.00
FDA BAM Chapter 3	50g	2 D	\$20.00
ANAEROBIC PLATE COUNT			
	50g	2 D	\$20.00
AIR PLATES			
Aerobic Plate Count	Air Plate	2 D	\$20.00
Yeast & Mold	Air Plate	5 D	\$20.00
FECAL COLIFORMS			
	50g	1 D	\$20.00
BACILLUS			
Bacillus Species	50g	3 D	\$30.00
Bacillus cereus	50g	2 D	\$30.00
CLOSTRIDIUM PERFRINGENS			
	50g	2 D	\$20.00
ENTEROBACTERIACEAE			
3M Petrifilm™	50g	1 D	\$25.00
ISO 21528-2	50g	2 D	\$25.00

	Required Sample Size	Turnaround Time	Price
GENERIC E. COLI			
Rapid 3M Petrifilm™ *	50g	1 D	\$20.00
MPN	50g	2 - 4 D	\$25.00
TOTAL COLIFORMS			
Rapid 3M Petrifilm™	50g	1 D	\$20.00
MPN	50g	2 D	\$25.00
STEC PACKAGE			
E. coli O157:H7 & STEC BAX PCR	Call for sample size	1 D	\$60.00
HACCP TESTING - USDA approved Petrifilm method for generic E. coli analysis			
Generic E. coli *	1 Sponge	1 D	\$40.00
ENTEROHEMORRHAGIC E. COLI			
O157:H7 BAX® PCR (25g)	50g	1 D	\$30.00
O157:H7 BAX® PCR (375g) †	400g	1 D	\$40.00
O157 Lateral Flow (25g)	50g	1 D	\$25.00
O157 Lateral Flow (375g)	400g	1 D	\$35.00
LACTIC ACID BACTERIA			
Lactic Acid Bacteria (aerobic)	50g	4 D	\$20.00
Lactic Acid Bacteria (anaerobic)	50g	4 D	\$20.00
Lactic Acid Bacteria 3M Petrifilm	50g	2 D	\$20.00
LISTERIA			
Listeria Species BAX PCR (25g)	50g	2 D	\$40.00
L. monocytogenes BAX® PCR (25g)	50g	2 D	\$40.00
Listeria Confirmation FDA BAM	Call for sample size	4 - 6 D	\$100.00
SALMONELLA			
BAX® PCR (25g)	50g	1 D	\$35.00
Lateral Flow (25g)	50g	2 D	\$20.00
Salmonella Confirmation FDA BAM	Call for sample size	4 - 6 D	\$20.00
Salmonella Serotyping (Check & Trace)	Call for sample size	2 - 4 D	\$200.00

* This method will not detect E. coli O157

† Inquire for additional samples sizes

	Required Sample Size	Turnaround Time	Price
SHIGELLA	50g	3 D	\$30.00
STAPHYLOCOCCUS AUREUS	50g	1 D	\$20.00
Staph Express 3M Petrifilm™ (25g)			
YEAST & MOLD	50g	5 D	\$20.00
Yeast & Mold Count FDA BAM			
ENVIRONMENTAL SPONGE/SWAB			
Rapid Aerobic Plate Count (3M Petrifilm™)	1 Sponge/Swab	1 D	\$20.00
Rapid Generic E. coli (3M Petrifilm™)	1 Sponge/Swab	1 D	\$20.00
Rapid Total Coliform (3M Petrifilm™)	1 Sponge/Swab	1 D	\$20.00
Enterobacteriaceae (3M Petrifilm™)	1 Sponge/Swab	1 D	\$25.00
Listeria Species (BAX® PCR)	1 Sponge/Swab	2 D	\$40.00
L. monocytogenes (BAX® PCR)	1 Sponge/Swab	2 D	\$40.00
Salmonella (BAX® PCR)	1 Sponge/Swab	1 D	\$35.00
Salmonella (Lateral Flow)	1 Sponge/Swab	2 D	\$20.00
Yeast & Mold	1 Sponge/Swab	5 D	\$20.00

NOTE: Multiple sponges are required if testing multiple analytes.



FOOD & INGREDIENT PESTICIDES

		Required Sample Size	Turnaround Time	Price
GLYPHOSATE & AMPA		25g	7 - 10 BD	\$275.00
ORGANOCHLORINE PESTICIDES		50g	7 - 10 BD	\$165.00
Aldrin	delta-BHC	Endosulfan Sulfate	Heptachlor	pp-DDD
alpha Chlordane	Dieldrin	Endrin Aldehyde	Heptachlor epoxide	pp-DDE Endrin
alpha-BHC	Endosulfan I (alpha)	Endrin Ketone	Lindane (gamma-BHC)	pp-DDT
beta-BHC	Endosulfan II (beta)	gamma Chlordane	Methoxychlor	
ORGANOPHOSPHORUS PESTICIDES		50g	7 - 10 BD	\$165.00
Azinphos-methyl	Dichlorophos	Fention	Parathion ethyl	Tetrachlorvinphos
Chlorpyrifos	Dimethoate	Malathion	Phorate	Tokuthion
Coumaphos	Disulfoton	Merphos	Ronnel	Tribufos
Dementon-O	EPN	Methyl parathion	Sulfotep	Trichloronate
Dementon-S	Ethoprop	Mevinphos	Sulprofos (Bolstar)	
Diazinon	Fensulfothion	Naled	TEPP	
NEUTRAL EXTRACTABLE PESTICIDES		50g	7 - 10 BD	\$165.00
Acetochlor	Butylate	Ethalfuralin	Pendimethalin	Terbufos
Alachlor	Chlorpyrifos	Fonofos	Phorate	Triallate
Ametryn	Cyanazine	Hexazinone	Prometon	Trifluralin
Atrazine	Deisopropylatrazine	Isophenphos	Prometryn	
Benfluralin	Desethyl atrazine	Metolachlor	Propachlor	
Bromacil	Dimethenamid	Metribuzin	Propazine	
Butachlor	EPTC (Eptam)	Oxadiazon	Simazine	
ORGANOCHLORINE/ ORGANOPHOSPHORUS/NEUTRAL EXTRACTABLE PESTICIDE PACKAGE		50g	7 - 10 BD	\$300.00

COMPLETE GC/MS/MS PESTICIDE SCREEN

Required
Sample Size

50g

Turnaround
Time

7 - 10 BD

Price

\$340.00

(E)-Chlorfenvinphos	cis-Chlordane	Etridiazole	Mevinphos-1	Propargite-2
(Z)-Chlorfenvinphos	cis-Nonachlor	Fenamiphos	Mevinphos-2	Propazine
1,1-Dichloro-2,2-bis(4-ethylphenyl) ethane	Clomazone	Fenarimol	MGK-264	Propisochlor
2-Phenylphenol	Coumaphos	Fenchlorphos	Mirex	Propyzamide
2,4'-Methoxychlor	Cyanazine	Fenitrothion	Monocrotophos	Prothiofos
4,4'-Methoxychlor olefin	Cycoate	Fenpropathrin	Myclobutanil	Pyraclofos
Acephate	Cyfluthrin-1	Fenson	N-2,4-Dimethylphenyl formamide	Pyrazophos
Acequinocyl	Cyfluthrin-2	Fensulfotthion	Naled	Pyridaben
Acetochlor	Cyfluthrin-3	Fenthion	Nitralin	Pyridaphenthion
Acrinathrin-2	Cyfluthrin-4	Fenvalerate-1	Nitrofen	Pyrimethan I
Alachlor	Cyhalothrin-1	Fenvalerate-2 (Esfenvalerate)	Norfurazon	Pyriproxyfen
Aldrin	Cyhalothrin-2	Fipronil	o,p'-DDD	Quinalphos
Allethrin-3,4 (Bioallethrin)	Cypermethrin-1	Fluazifop-P-butyl	o,p'-DDE	Quintozene
Allidochlor	Cypermethrin-2	Fluchloralin	o,p'-DDT	Resmethrin-1
alpha-BHC,	Cypermethrin-3	Flucythrinate-1	Omethoate	Resmethrin-2 (Bioresmethrin)
alpha-Endosulfan	Cypermethrin-4	Flucythrinate-2	Oxadiazon	Simazine
Ametryn	Cyprodinil	Fludioxonil	Oxyfluorfen	Sulfotepp
Anthraquinone	Deisopropylatrazine	Fluquinconazole	p,p'-DDD	Sulprofos
Atrazine	delta-BHC	Fluridone	p,p'-DDE	tau-Fluvalinate-1
Azinphos-ethyl	Deltamethrin-1	Flusilazole	p,p' DDT	tau-Fluvalinate-2
Azinphos-methyl	Deltamethrin-2	Flutolan I	Pacloutrazol	Tebuconazole,
Benfuralin	Demeton-O	Flutriafol	Parathion	Tebufenpyrad
beta-BHC	Demeton-S	Fluvalinate-1	Parathion-methyl	Tecnazene
beta-Endosulfan	Desethylatrazine	Fluvalinate-2	Pebulate	Tefuthrin
Bifenthrin	Di-allate-1	Folpet	Penconazole	TEPP
Biphenyl	Di-allate-2	Fonofos	Pendimethalin	Terbacil
Bromacil	Diazinon	gamma-BHC (Lindane)	Pentachloroaniline	Terbufos
Bromfenvinphos	Dichlobenil	Heptachlor	Pentachloroanisole	Terbuthylazine
Bromfenvinphos-methyl	Dichlofluanid	Heptachlor-endo-epoxide	Pentachlorobenzene	Tetrachloroaniline,2,3,5,6-
Bromophos	Dichlofluanid metabolite	Heptachlor-exo-epoxide	Pentachlorobenzonitrile	Tetrachlorvinphos
Bromophos-ethyl	Dichloroaniline,3,4'	Hexachlorobenzene	Pentachlorothioanisole	Tetradifon
Bromopropylate	Dichlorvos	Hexazinone	Permethrin-1	Tetrahydrophthalimide
Bupirimate	Dicolfol deg. (DCBP)	Imazalil	Permethrin-2	Tetramethrin-1
Butachlor	Didoran	Iodofenphos	Phenothrin-1	Tetramethrin-2
Butylate	Dieldrin	Iprodione	Phenotrin-2	Thiabendazole
Captafol	Dimethachlor	Isazofos	Phorate	Tolclofos-methyl
Captan	Dimethanamid	Isodrin	Phosalone	Tolyfluanid
Carbaryl	Dimethoate	Isofenphos	Phosmet	trans-Chlordane
Carbophenothion	Diphenamid	Isopropalin	Piperonyl butoxide	trans-Nonachlor
Carfentrazone-ethyl	Diphenylamine	lambda-Cyhalothrin	Pirimiphos-ethyl	Transfluthrin
Chlorbenside	Disulfoton	Lenacil	Pretilachlor	Trbufos
Chlorfenapyr	Edifenphos	Leptophos	Primiphos-methyl	Tri-allate
Chlorfenson	Endosulfan ether	Linuron	Prochloraz	Triademienol-1
Chloroneb	Endosulfan sulfate	Malathion	Procymidone	Triadimefon
Chloropropylate	Endrin	Metalaxyl	Prodiamine	Triadimenol-2
Chloroethanolil	Endrin keytone	Metazachlor	Profenofos	Triazophos
Chlorprophom	EPN	Methacrifos	Profluralin	Trichloronat
Chlorpyrifos	EPTC	Methamidophos	Prometon	Tricydazole
Chlorpyrifos-methyl	Ethalfuralin	Methiocarb	Prometryn	Triflumizole
Chlorthal-dimethyl	Ethion	Methoxychlor	Propachlor	Trifluralin
Chlorthiophos-3	Ethoprophos	Metolachlor	Propanil	Vinclozolin
Chlozolinate	Etofenprox	Metribuzin	Propargite-1	

		Required Sample Size	Turnaround Time:	Price
COMPLETE LC/MS/MS PESTICIDE SCREEN		50g	7 - 10 BD	\$325.00
3-Hydroxycarbofurn	Cyproconazole Isomer 1	Flufenacet	Methomyl	Pyriproxyfen
Acephate	Cyproconazole Isomer 2	Flufenoxuron-H	Methoptryne	Quinoxifen
Acetamiprid	Cyprodinil Cyromazine	Flumeturon	Methoxyfenozide	Rotenone
Acibenzolar-S methyl Test	Desmedipham	Fluoxastrobin	Metobromuron	Secbumeton
Alanycarb	Diclobutrazol	Fluquinconazole	Metobromuron-S	Siduron
Aldicarb	Dicrotophos	Flusilazole	Metribuzin	Simetryn
Aldicarb Sulfone	Diethofencarb	Flutolanil	Mevinphos Isomer 2	Spinetoram
Aldicarb Sulfoxide	Difenoconazole	Flutriafol	Mevinphos Isomer 1	Spinosad A
Ametryn	Diflubenzuron	Forchlorfenuron	Mexacarbate	Spinosad D
Aminocarb E	Dimethoate	Forchlorfenuron-S	Monceren	Spirodiclofen
Amitraz	Dimethomorph Isomer 1	Formetanate	Monocrotophos	Spiromesifen
Azoxystrobin	Dimethomorph Isomer 2	Fluberidazole	Monolinuron	Spirotetramat
Baycor	Dimoxystrobin	Furalaxyl	Moxidectin	Spiroxamine 1
Benalaxyl	Dinicnazole	Furathiocarb	Myclobutanil	Spiroxamine 2
Bendiocarb	Dioxacarb	Halofenozide	Neburon	Sulfentrazone
Benfuracarb	Diuron	Hexaconazole	Nitenpyram	Tebuconazole
Benzoaximate	Doramectin	Hexaflumuron-H	Novaluron-H	Tebufenozide
Bifenazate	Emamectin-benzoate A	Hexythiazox	Nuarimol	Tebufenpyrad
Boscalid	Emamectin-benzoate B	Imadacloprid	Omethoate	Tebuthiuron
Bromuconazole Isomer 1	Epoxiconazole	Imazalil	Oxadixyl	Teflubenzuron-H
Bromuconazole Isomer 2	Eprinomectin	Indoxacarb	Oxamyl	Terbumeton
Bupirimate	Ethiofencarb	Ipconazole	Paclobutrazol	Terbutryn
Buprofezin	Ethiprol	Iprovalicarb Isomer 1	Penconazole	Tetraconazole
Butafenacil	Ethirimol	Iprovalicarb Isomer 2	Phenmedipham	Thiabendazole
Butocarboxim	Ethofumesate	Isocarbophos	Picoxystrobin	Thiacloprid
Butoxycarboxim	Etoxazole	Isoproc carb	Piperonyl butoxide	Thiamethoxam
Carbaryl	Famoxadone	Isoproturon	Primicarb	Thidazuron
Carbenadazim	Fenamidone	Ivermectin	Prochloraz	Thiobencarb
Carbetamide	Fenarimol	Kresoxim-methyl	Promecarb	Thiofanox
Carbofuran	Fenazaquin	Linuron	Prometon	Thiophanate-methyl
Carboxin	Fenbuconazole	Lufenuron-H	Prometryne	Triadimefon
Carfentrazone-ethyl	Fenhexamid	Mandipropamid	Propargite	Triadimenol
Chloanthraniliprole	Fenobucarb	Mefenacet	Propham-S	Trichlorfon
Chloroxuron	Fenoxycarb	Mepanipyrim	Propiconazole	Tricyclazole
Chlortoluron	Fenpropimorph	Mepronil	Propoxur	Trifloxystrobin
Clethodim	Fenproximate	Metaflumizone	Prothioconazole Test	Triflumizole
Clofentezine	Fenuron	Metalaxyl	Pymetrozine	Triflumuron
Clothianidin	Flonicamid	Metconazole	Pyracarbolid	Triticonazole
Cyazofamid	Fluazinam	Methabenzthiazuron	Pyraclastrobin	Vamidothion
Cycluron	Flubendiamide	Methamidophos	Pyridaben	Zoxamide
Cymoxanil	Fludioxonil	Methiocarb	Pyrimethanil	
COMBINED LC/MS/ & GC/MS PESTICIDE SCREEN		50g	7 - 10 BD	\$500.00



FOOD & INGREDIENT SHELF LIFE TESTING

CUSTOMIZED ACCELERATED & REAL TIME TESTING

Here at Midwest Laboratories, we offer a variety of different options and conditions for shelf life studies which we can customize specifically for your product.

FROZEN FOODS

CHEMICAL

REFRIGERATED FOODS

ANALYTICAL

AMBIENT PRODUCTS

SENSORY TESTS

**ACCELERATED
SHELF LIFE**

**MICROBIOLOGICAL
& PATHOGENS**

Our studies are flexible and can be tailored to specific requirements that you may want for your product. Whether you are verifying or extending an existing shelf life or testing completely new product, we are happy to help.

Due to the custom nature of the testing, Shelf Life samples cannot be submitted through the portal, and prior arrangements must be made before sending samples. Speak to our Shelf Life Coordinator to learn more about our testing capabilities and options, as well as requesting a formal quote with details on pricing, testing, methodology, time points, length of study, and how much product may be needed.

**TO LEARN MORE, CONTACT OUR
SHELF LIFE COORDINATOR AT (402) 334-7770**



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

NOTES

Our client service staff is always on hand to assist you with questions: [402.334.7770](tel:402.334.7770) | contactus@midwestlabs.com
If a quicker turnaround time is needed, please contact our Rush Coordinator: rush_coordinator@midwestlabs.com

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Analysis Services Agreement

MIDWEST LABORATORIES, INC. STANDARD TERMS AND CONDITIONS

- 1. EFFECT OF TERMS.** All Customers who place an order with Midwest Laboratories, Inc. along with its affiliates, agents, related entities, subsidiaries, officers, shareholders, employers, and assigns ("MIDWEST") are subject to the following Terms and Conditions.
- 2. CONFIDENTIALITY.** Reports and/or other information as requested are provided only to the Customer or those designated by the Customer unless otherwise required by law. Customer and/or its designees agrees not to use report or data in any manner that may harm or has the potential to harm the reputation or business of MIDWEST. Customer may not publish the name of MIDWEST without written approval.
- 3. TEST AND CONTROL ARTICLE CHARACTERIZATION.** If submitted by Customer, the Customer is fully responsible for all test/control article characterizations, and the Customer agrees that MIDWEST is fully relying on the Customer for such test/control characterizations. This includes, but is not limited to, identity, strength, purity, composition and stability. Further, the Customer as a sponsor shall be responsible for the methods of synthesis, fabrication, or derivation of the sample. MIDWEST makes no representations or warranties of any kind (express or implied) about the representative nature of the test/control article submitted by the Customer.
- 4. DELIVERY OF SAMPLES.** Customer is responsible for samples until they are received by MIDWEST personnel. MIDWEST is not responsible for samples that are rejected because of holding time or improper preservation or storage before samples are received by MIDWEST personnel.
- 5. ACCEPTANCE OF SAMPLES.** If MIDWEST determines that the sample will not yield valid data for any reason (including but not limited to sample preservation, improper sample containers, or samples that require modification of the normal procedures) samples will not be accepted and MIDWEST will notify Customer of such determination. If modification of the procedures is possible, fees for the modification will be determined. If Customer agrees to the fees verbally or in writing the samples will be accepted and processed for the agreed upon fees.

6. **STANDARD SERVICES.** Analyses within stated turnaround times (calculated in business days, excluding weekends and holidays), if MIDWEST has stated in writing a turnaround time, otherwise, as is reasonable in the industry. Rush analysis, weekend and holiday service is available but may incur additional costs. It is Customer's responsibility to inquire of such charges prior to submission of samples for analysis.
 7. **RUSH ANALYSIS.** Rush Turnaround Times (TAT) are available upon request and must be approved by an MIDWEST team member prior to sample submission. MIDWEST is not liable for extensions of TATs as a result of highly-contaminated samples. Turnaround times may be extended as a result of improper sampling, preservation, sample matrix, wide ranges of analyte concentration or other issues outside of MIDWEST's control.
 8. **ACCEPTANCE OF TEST REPORTS.** All reports and letters issued by MIDWEST are for the exclusive use of the Customer to whom they are addressed. No other entity or person may rely upon or use such letter or report without the written consent of MIDWEST. MIDWEST reports apply only to the specific samples tested under stated test conditions and protocols and test results are not necessarily indicative of the qualities of apparent identical or similar testing or conditions. MIDWEST shall have no liability for any deductions, inferences or generalizations drawn by the Customer or others from MIDWEST's reports. If the Customer requests verification of any part of the test report, MIDWEST shall be notified within thirty (30) days of submission of the report to the Customer. Failure to notify within this thirty (30) day period acknowledges acceptance of the report. Should additional work be required for verification purposes, MIDWEST shall be entitled to the reasonable value of the additional work performed by MIDWEST. Payment for any test report or other MIDWEST invoice shall not be conditioned upon acceptance and/or approval of a third party or the results of the test.
 9. **HAZARDOUS WASTES.** Customer must notify MIDWEST of any materials suspected of being hazardous and provide the appropriate documentation and packaging of such samples. MIDWEST reserves the right to refuse samples that may cause a hazard to which MIDWEST is not equipped to handle and will return samples to the Customer. It is the responsibility of Customer to label and meet all regulations on samples that are hazardous. Hazardous samples may be returned to Customer or Fees may be applied to have hazardous material properly and safely disposed of by a third party.
 10. **QUALITY ASSURANCE.** MIDWEST agrees to follow their Quality Assurance Manual and Method SOPs unless specified in writing. It is up to Customer to determine if these procedures meet their needs prior to placing the order.
 11. **RETENTION OF SAMPLES.** Unless otherwise specified water samples are stored for a minimum of 14 days after completion of the work order. Empty containers and samples that are analyzed for microbiology are disposed of immediately. MIDWEST may have the capacity to store samples for longer periods of time for further or additional analysis, if requested prior to sample disposal. Additional fees may be applied.
 12. **CANCELLATION POLICY.** All orders cancelled may be subject to a cancellation fee. If sample(s) are processed for analysis before cancellation has been requested, cost of prep completed and/or full analysis cost will be charged.
 13. **REPORTS.** Reports will be kept for 3 years unless otherwise required by law or specified in writing.
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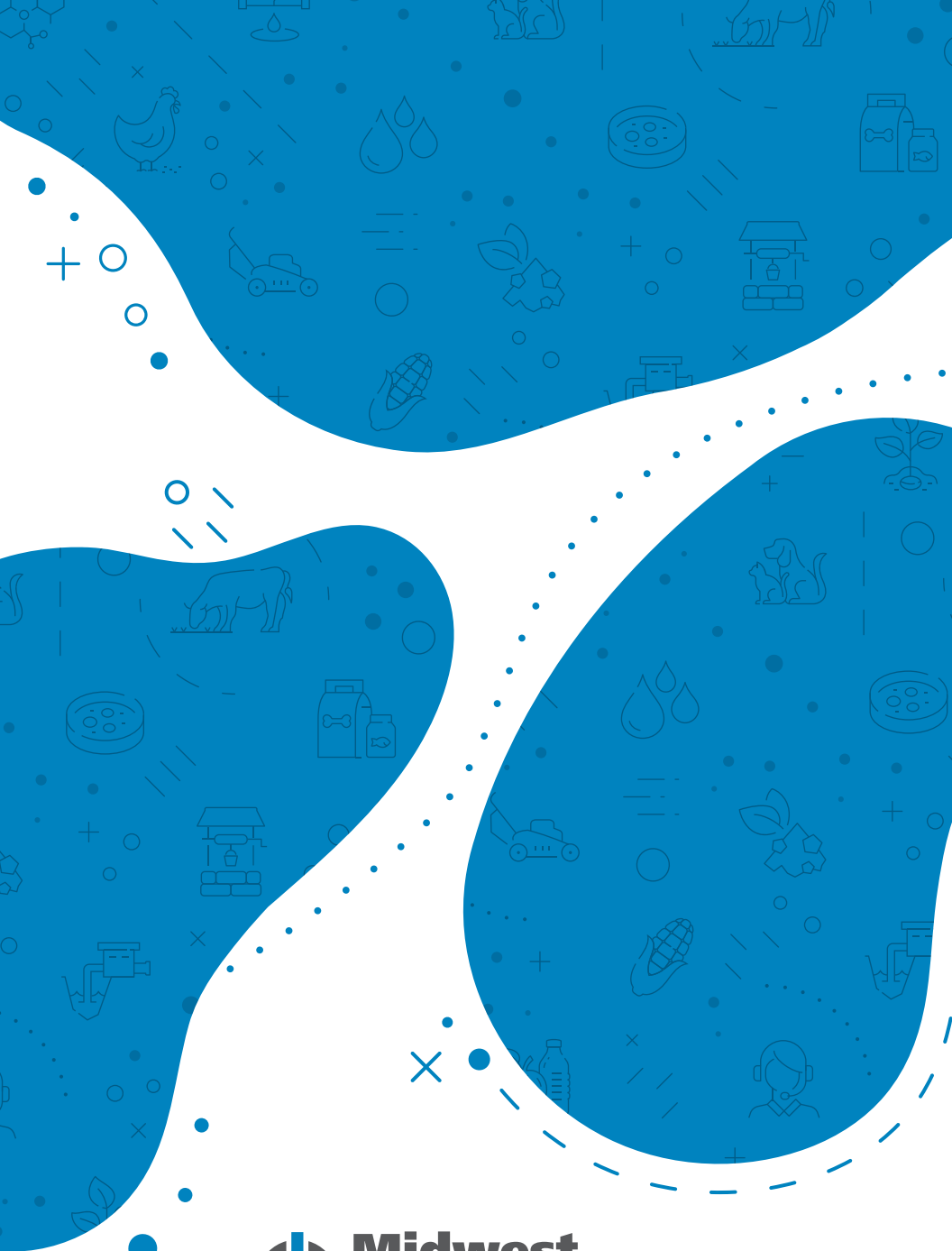
- 14. VALID ORDERS.** It is the sole responsibility of the Customer to determine that services ordered are suitable for the purposes of the Customer's intended use. Any order provided to MIDWEST, notwithstanding the fact that such order may have been given or signed by a person not authorized by the Customer, shall be deemed to constitute a valid order.
- 15. PAYMENT TERMS.**
- MIDWEST reserves the right to request an initial retainer fee before MIDWEST begins work on the matter. Any retainer will be deposited and credited to Customer's account and will be applied toward all invoiced fees and costs incurred in this matter. MIDWEST will bill against the retainer as fees are expended. Should MIDWEST anticipate at any time that costs will exceed the amount in retainer, it MAY request pre-payment in MIDWEST's sole discretion. Upon termination of this Agreement, and the payment of any sums due and owing to MIDWEST, any excess will be refunded to Customer.
 - To the extent that any invoice exceeds the amount of the retainer held on credit, and such costs are invoiced, Customer agrees to pay the invoices within 15 days of the date on the invoice, unless otherwise designated in writing by MIDWEST.
 - Invoice Disputes. Customer shall notify MIDWEST in writing of any dispute with any invoice (along with substantiating documentation and a reasonably detailed description of the dispute) within 15 days from the date of such invoice. Customer will be deemed to have accepted all invoices for which MIDWEST does not receive timely notification of dispute and shall pay all undisputed amounts due under such invoices within 15 days.
 - The Customer's obligation to pay MIDWEST is not in any way conditioned upon Customer receiving payment from any third party or on any specific result from MIDWEST's services. If the Customer fails to make payment according to the agreed upon terms, MIDWEST shall have the full right to cease all work, withhold test data and or reports, and cause all invoices to be immediately due and payable, even if such ceasing would compromise the Customer's study and require the Customer to prepare and submit new samples. Customer is still obligated to pay for the testing up to the date testing is ceased by MIDWEST.
 - In the event the Customer defaults in making payment of any amount that has become due and owing, the full outstanding balance (whether due or not) will immediately become due and payable without further notice to the Customer.
 - Past Due accounts will be charged 1.5% per month of the unpaid balance. Customer agrees to reimburse MIDWEST for the costs of collection of past due debts including but not limited to collection and legal fees, to the fullest extent permissible by applicable law. Customer may not defer billing to a third party. MIDWEST will not be responsible for holding times or deadlines that are missed because of changes or delays in payment. Payments are accepted by check, ACH or credit card. Credit card payments incur a 3% fee if payment is made after the date of the invoice. Returned checks are charged \$25 fee

- 16. WARRANTIES.** Services performed by MIDWEST, including its works and reports are not governed by the Uniform Commercial Code (UCC). Except as stated expressly herein, MIDWEST disclaims all warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose. MIDWEST shall have no liability for incidental or consequential damages of any nature whatsoever. The Customer acknowledges and agrees that MIDWEST provides no warranty, express or implied regarding any supplies, devices, or monitoring.
- 17. CUSTOMER REMEDIES.** MIDWEST warrants the accuracy of the results of samples as submitted, no other warranty or liability for the use of the result is expressed or implied. Expressly, MIDWEST will provide services in accordance with this Agreement and MIDWEST will not have any responsibility other than to exercise reasonable skill and care in the performance of services. In the event any court of competent jurisdiction or arbitrator makes a final determination that MIDWEST has failed to comply with such standards of conduct in providing services and that such failure directly caused the Customer harm, MIDWEST will be responsible to compensate the Customer for such direct harm, PROVIDED, HOWEVER, that the amount of such compensation will not exceed the cost of services provided that caused the Customer harm or the damages incurred, whichever is less, and that, under no circumstances will MIDWEST be liable to the Customer for any incidental, indirect, consequential, or punitive damages. EXCEPT AS OTHERWISE PROVIDED EXPRESSLY HEREIN, MIDWEST MAKES NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE SERVICES PROVIDED OR GOODS SOLD, INCLUDING, BUT NOT LIMITED TO, ANY "IMPLIED WARRANTY OF MERCHANTABILITY" OR "FITNESS FOR A PARTICULAR PURPOSE."
- 18. LITIGATION.** MIDWEST and Customer waive the right to a trial by jury.
- 19. INDEMNIFICATION.** Customer agrees to indemnify MIDWEST for gross negligence or misconduct on the part of Customer or its agents unless such gross negligence is a result of negligent or willful omissions on the part of MIDWEST.
- 20. THIRD PARTY CLAIMS.** CUSTOMER AGREES TO INDEMNIFY AND HOLD HARMLESS MIDWEST AND ITS DIRECTORS, OFFICERS, EMPLOYEES, AFFILIATES, AGENTS, AND SUBCONTRACTORS (EACH AN "INDEMNIFIED PARTY") FROM ALL LOSSES AND EXPENSES (INCLUDING REASONABLE ATTORNEYS' FEES) ARISING OUT OF, OR RELATED TO, CLAIMS ASSERTED BY THIRD PARTIES THAT RELATE TO THE TESTING RESULTS OR TESTING DATA PROVIDED BY MIDWEST TO CUSTOMER, OR THE MANUFACTURE, MARKETING, OR SALE OF CUSTOMER'S PRODUCTS OR THAT RELATE TO THE SERVICES RENDERED.
- 21. RELEASE AND WAIVER.** TO THE EXTENT PERMITTED BY LAW, CUSTOMER WAIVES AND RELEASES MIDWEST AND ITS DIRECTORS, OFFICERS, EMPLOYEES, AFFILIATES, AGENTS AND SUBCONTRACTORS FROM ALL LIABILITY, CLAIMS, DEMANDS, ACTIONS, OR CAUSES OF ACTION FOR ANY ALLEGED LOSS, DAMAGE, OR INJURY, OTHER THAN A CLAIM FOR COMPENSATION FROM MIDWEST PURSUANT TO SECTION 8. THIS RELEASE AND WAIVER COVERS ALL CLAIMS ARISING IN TORT AS WELL AS THOSE ARISING UNDER ANY STATE OR FEDERAL STATUTE, THAT IN ANY WAY ARISE OUT OF, OR RELATE TO, THE SERVICES OR PERFORMANCE OR ALLEGED NON-PERFORMANCE UNDER ANY AGREEMENT BETWEEN THE PARTIES.
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- 22. RECOVERY OF LEGAL/COLLECTION COSTS.** Should MIDWEST instruct its attorneys or collection agent to collect any overdue amounts, or to take any action against the Customer in the implementation or protection of MIDWEST's rights, MIDWEST shall be entitled to the recovery of all legal fees, costs and/or collection costs arising therefrom, to the fullest extent permissible by law.
- 23. GOVERNING LAW AND CONSENT TO JURISDICTION.** The Customer hereby agrees that this Agreement and all other agreements between MIDWEST and the Customer shall be deemed to be made and governed by the Laws of the State of Nebraska. The Customer hereby consents that any legal action brought by MIDWEST for collection of any fees or invoices not paid by the Customer or other remedies sought by MIDWEST, shall be brought in a court of competent jurisdiction in Douglas County, Nebraska, or if the action is to be in federal court, in the U.S. District Court for the District of Nebraska.
- **COPYRIGHT.** The Customer acknowledges and agrees that all testing protocols or processes used to generate test results are the sole ownership of MIDWEST. No rights or ownership of MIDWEST's copyrights or other intellectual property of MIDWEST is transferred by invoicing the Customer for protocols used in the performance of the service by MIDWEST. Customer agrees that it shall not infringe upon any of the intellectual property rights of MIDWEST. Nothing in this Agreement shall be construed as a sale or transfer of MIDWEST's copyrights, trademarks or any other intellectual property owned or held by MIDWEST. Until such time as the Customer has paid MIDWEST in full with respect to any services provided by MIDWEST, the license to use any test results or any data related thereto shall be prohibited and shall remain the property of MIDWEST. MIDWEST shall, in its sole discretion, without notice to the Customer, be entitled to take possession of any such reports which have not been paid for or for which payment is overdue. Customer shall not be entitled to a credit with respect to services that may have been partially paid for.
 - **MISCELLANEOUS.** The failure of a party to insist upon strict performance of any provision of this Agreement or to exercise any right arising out of this Agreement shall neither impair that provision or right nor constitute a waiver of that provision or right, in whole or in part, in that instance or in any other instance. Any waiver by a party of a particular provision or right shall be in writing, shall be as to a particular matter and, if applicable, for a particular period of time and shall be signed by such party. If any provision of this Agreement or the application thereof is held invalid, the invalidity shall not affect other provisions or applications of the Agreement which can be given effect without the invalid provisions or applications and to this end the provisions of this Agreement are declared to be severable.

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