

PURITYTM
Laboratories

FOR MORE THAN

50

Years



Your High Performance
FOOD TESTING LABORATORY

Purity Laboratories
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HIGH PERFORMANCE FOOD TESTING FOR MORE THAN 50 YEARS

For more than 50 years, Purity Laboratory's mission has been to serve the food industry with accurate and reliable laboratory testing.



Purity Laboratories (Purity) deep experience in meeting our customer's requirements for more than five decades has allowed us to develop expertise, beyond our competitors, to test a wide variety of food ingredients and products.

We particularly excel in the use of the most up-to-date testing equipment for food analyses, which has earned us the honor of being the first commercial center of excellence for Agilent Technologies, the leader in mass spectrometry testing equipment. We offer precise analyses and fast turn-around times with advanced equipment including LC-MS, ICP-MS, GC-MS, HPLC-UV and rapid microbiology testing instruments.

Purity has been an ISO 17025 accredited laboratory since 2014, demonstrating continuous proficiencies in laboratory operations. We operate in a 19,000 ft., state-of-the-art laboratory facility equipped to perform high-performance and high-production food testing. Whether your food business is small or an international conglomerate, Purity can competently handle your testing requirements. *We are dedicated to it!*



Inside Purity Laboratory's 19,000 sq. ft. state-of-the-art facilities.

McDowell Digital Media

PURITYTM
Laboratories



QUALITY
GUARANTEED



Purity maintains an ISO 17025 certification, which is the top certification for quality standards in the environmental laboratory industry. Accreditation involves an ongoing, thorough assessment of our quality management systems and competence to perform the tests as listed in the accreditation scope. Purity submits to investigation by highly qualified external organizations each year to ensure that our quality standards are improving on an on-going basis.

In addition, Purity also uses the more specific standards of the Association of the Official Analytical Chemists (AOAC), Analytical Laboratory Accreditation Criteria Committee (ALACC) Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals.



YOUR RESOURCE FOR QUALITY



Let us be your resource to help you learn how to properly test your products, not only comply to government regulations, but also to expand your markets and increase your revenue and profits. Great food products are great for people but also great for business.

Purity is continually working to raise the bar for the industries we service with innovative ideas to improve product quality. For example, in 2011, we introduced our Purity Tested™ protocol, which completely elevated testing offered for toxicity in the food and dietary supplement industries. As a "Center of Excellence" for Agilent Technologies, we are in constant research and development to expand and improve our testing capabilities to improve the testing capabilities that we can offer our customers.



HEAVY METALS



Heavy metals such as arsenic, cadmium and lead are present in most foods, whether conventional or organic, usually as the result of environmental contaminants.

Because heavy metals pose significant threats even at low levels, the Food and Drug Administration has made reducing cumulative exposure a priority.

Purity's precise metal testing enables retailers, food manufacturers, ingredient suppliers and others to identify heavy metals at levels in the low parts per billion (ppb).

Heavy Metals Testing

PURITYS' ICP-MS SYSTEMS OFFERS ADVANCED METAL DETECTION

Purity Laboratories offers our customers the newest technologies for detecting and analyzing metals with its ICP-MS systems.

ARSENIC
TUNGSTEN
NICKEL
BERYLLIUM
ANTIMONY
PLATINUM
CADMIUM
CESIUM
ALUMINUM

LEAD
BARIUM
TIN
COPPER
URANIUM
THORIUM
MERCURY
THALLIUM

HEAVY METALS



Metals are best tested by inductively coupled plasma mass spectrometry, or ICP-MS. Purity's ICP-MS systems offer state-of-the-art methodology for measuring metal ions in simple or complex matrixes at micro or macro concentrations. Previous methods involved atomic absorption spectrophotometers, ICP optical emission spectrometry, or standard chemical methods.

Our newest ICP-MS equipment adds MS/MS operation, providing precise control of reaction cell processes to ensure the most consistent and accurate results, resolving interferences that are beyond the capability of quadrupole and sector-field high resolution ICP-MS.

The ICP-MS is the superior technology for metal analysis for a number of reasons including:

- offers detection limits far superior to atomic; absorption with much improved productivity;
- handles complex matrices with minimal interferences;
- offers detection limits far superior to ICP-OES, usually 1000 times more sensitive than other measurement equipment.

ICP-MS offers laboratories opportunities to achieve higher productivity at lower detection levels than any other metal ion methodology, with detection limits at or below the parts per billion range.

Because the ICP-MS is under computer control, the system can literally operate 24 hours per day, 7 days per week, and analyze 300 samples per 24-hour period. No other technology can offer this high productivity at the adequately low detection limits. This all translates into improved response and more accurate results for our customers.

Our Purity Tested™ Protocol for Metals

Our proprietary heavy metals panel is included in our Purity Tested™ protocol, which includes testing for 24 heavy metals, at detection rates of ppb.

Most companies, test to comply with FDA guidelines for four metals testing, which can be done on substandard equipment with inadequate detection that does not provide adequate safety for consumers and creates recall and litigation risks.

Our proprietary 24 metal panel, when included with toxicity tests is offered at a substantial discount. It can also be purchased separately.



PESTICIDES



Testing foods for pesticides and other unwanted chemicals is important to ensure the safety of our food supply.

Approximately 80,000 pesticides and chemicals are registered for sale in the U.S. Many of these are potentially harmful to human health. The only way to detect contaminants in your products, which could lead to discipline from government agencies or costly litigation, is to laboratory test them.

Purity has specialized in toxicity testing with its proprietary Purity Tested™ protocols, Developed in 2011, these protocols intend to advance the industry standards for detecting contaminants in food, dietary supplements and hemp products.

Pesticide Testing



TOXIC COMPOUNDS TESTING OF FOOD

There is a growing need for pesticide testing in the food industry.

The American Academy of Pediatrics points to food as the primary source of children's exposure to pesticides. Pesticides are widely used in food production to control pests such as insects, rodents, weeds, bacteria, mold and fungus. Even organic farmers can use approved pesticides listed in the National List of Allowed and Prohibited Substances and pesticides and chemicals sanctioned for use by state regulators which vary from state to state.

The worldwide use of pesticides in food and supplement production has been a cause of increasing concern amongst retailers, regulators and end users. Consumers are looking for the assurance that the foods they eat and supplements they take are safe and free of unwanted contaminants.

The chemical diversity of pesticides presents a considerable challenge to food safety chemists, who require a range of analytical techniques to extract them from food samples, and then accurately and efficiently determine their identity and concentration at trace levels.

The chemical diversity of pesticides presents a considerable challenge to food safety chemists, who require a range of analytical techniques to extract them from food samples, and then accurately and efficiently determine their identity and concentration at trace levels.

Purity uses GC-MS and LC-MS technology to test pesticides and other toxic chemicals that include pesticides, insecticides, rodenticides, herbicides, biocides, endocrine disruptors and other toxic chemicals. Our database for testing is based on more than 900 chemicals that are potentially harmful to human health. In one, single, proprietary panel, we can screen for these chemicals and if detected conduct further analyses to quantify the amounts.

Our Purity Tested™ Protocol for Toxic Compounds

In 2011, Purity introduced its Purity Tested™ protocol for testing more than 900 toxic compounds.

The protocol includes our proprietary test panel that screens pesticides and other chemicals that are potentially harmful to human health. It also includes our proprietary heavy metals panel, which consists of 24 metals considered to be the most problematic in our food supply.



Customers that order our Purity Tested™ protocol are licensed to use our Purity Tested™ seal as represented on the left on their certificate of analysis, labels and promotional materials. We also offer a 350, 550 toxic compound panels (these do not include our proprietary 24 metals panel).

MICROBIOLOGY



Foodborne illnesses caused by pathogenic bacteria affect millions of people every year. These microorganisms also contribute to the spoilage and decreased product shelf life. To preserve the integrity of your food product, microbiological control is essential.

At Purity, we are dedicated to ensuring the quality and safety of your food products. Our microbiology operations are certified under ISO:17025 to ensure that we comply with international quality standards for a global market.

We are constantly evaluating and incorporating advances in methodology to expand our microbiology testing capabilities.

Our rapid microbiology testing facilities offer a wide variety of testing capabilities and fast turn-around times.



Microbiology Testing

MICROBIOLOGY

Purity has one of the broadest offerings in the Northwest for the following categories of Food microbiological testing:

- Food
- Hemp
- Swab / Sponge
- Nutraceuticals
- Water and the Environment
- Pet Food

Food and Nutraceuticals

- Acid Tolerant Bacteria
- Aerobic Plate Count
- Anaerobic Plate Count
- Coliforms / E. coli (9 Tube MPN Screen)
- Coliforms / E. coli (15 Tube MPN Screen)
- E. coli MPN Confirmation
- Coliforms / Fecal Coliforms (9 Tube MPN Screen)
- Coliforms MPN Confirmation
- Fecal Coliforms MPN Confirmation
- Total Coliforms / E. coli (Petrifilm)
- E. coli (USP)
- E. coli O157:H7 (25 g VIDAS)
- E. coli O157:H7 (375 g VIDAS)
- E. coli O157:H7 Confirmation Step 1
- E. coli O157:H7 Confirmation Step 2
- Enterobacteriaceae (Pertifilm)
- Gram Stain
- Lactic Acid Bacteria Count
- Lactobacillus Count
- Listeria spp. (VIDAS)
- Listeria spp. Confirmation Step 1
- Listeria monocytogenes Confirmation Step 2
- Pseudomonas aeruginosa (USP)
- Pseudomonas aeruginosa Confirmation
- Salmonella (USP)
- Salmonella (25 g VIDAS)
- Salmonella (375 g VIDAS)
- Salmonella spp. Confirmation Step 1
- Salmonella spp. Confirmation Step 2
- Staphylococcus aureus (Petrifilm)
- Staphylococcus aureus (Plates)
- Staphylococcus aureus (USP)
- Yeast & Mold

Microbiology Testing



Microbiology & Hemp Test Packages

- Micro-screen: Aerobic Plate Count, Total Coliforms / E. coli, Y/M
- Micro-screen (MPN): Aerobic Plate Count, Total Coliforms / E. coli, Y/Mold
- Pathogen Screen: Listeria spp., E. coli O157:H7, Salmonella, Staphylococcus aureus, Pseudomonas aeruginosa

Water and Environmental

- Heterotrophic Plate Count (1 mL)
- Heterotrophic Late Count (100 mL)
- Potability

Other Microbiology Tests and Fees

- Shelf Life Study
- Composting Fee

Swab / Sponge

- Listeria spp. (VIDAS)
- Salmonella (25 g VIDAS)
- E. coli O157:H7 (25 g VIDAS)
- Staphylococcus aureus (Plates)
- Pseudomonas aeruginosa (USP)

CHEMISTRY



Our expert scientists deliver reliable, accurate and cost-effective chemical analyses.

At Purity Labs, we're experts at testing for standard nutrition label requirements. We use the official methods of the Association of the Official Analytical Chemists (AOAC), American Association of Cereal Chemists (AACC), and American Oil Chemists' Society (AOCS). or, we employ extensive statistical comparisons and collaborate as a team to produce an equivalent.

We are innovative leaders in the areas of environmental testing for the nutraceutical, food and hemp industries. Named a "Center of Excellence" for Agilent Technologies, Purity works with an expansive network of scientists and technology experts to ensure that we offer the most current, state-of-the-art laboratory testing services to our customers.



Chemistry Testing

General

- Acidity
- Aflatoxin
- Brix
- Chlorophyll
- Free Fatty Acid
- Peroxide Value
- pH
- Salt
- Water Activity
- Water Phase Salt
- Odor / Flavor

Nutrition

- Ash / Residue on Ignition
- Moisture
- Protein
- Fat
- Alcohol Content

Chemistry Proximate Test Package

Ash, Calories, Carbohydrates, Fat, Moisture and Protein

Allergens

- Gluten
- Milk
- Peanut
- Soy
- Egg
- Almond
- 5-Allergen Panel (Gluten, Milk, Peanuts, Soy, Egg)

Water and Wastewater

- Biochemical Oxygen Demand
- Chemical Oxygen Demand
- Chloride
- Chlorine
- Hardness (Total)
- Nitrate in Water
- Nitrite in Water
- pH in Water
- Solids - Total Dissolved (TDS)
- Solids - Total Suspended (TSS)
- Turbidity

**See Other Tests in
Section "Price Lists"**

SUBMIT A SAMPLE

Everything we do at Purity Laboratories, from our testing approach to the way we collect samples, is designed to maintain the integrity of your test results. For best results, please follow our recommended sample preparation and shipping procedures.

Download

Chain of Custody Form at
www.puritylabsinc.com

Send Samples to:

Purity Laboratories
17387 63rd Ave.
Lake Oswego, OR 97053



Please send samples to arrive Monday through Friday unless otherwise prearranged.

• SAMPLE COLLECTION AND PREPARATION

WHEN ASSEMBLING YOUR PRODUCT FOR TESTING, PLEASE USE THE FOLLOWING GUIDELINES:

- Collect a sample that is well-blended and homogenous.
- Include specific grinding, handling or composite instructions with the order .
- Include sample matrix/composition descriptions and estimates on the submittal form.

Note: Purity Labs cannot accept unidentified samples. Please contact Purity Labs for guidance on an appropriate sample size your submission.

SHIPPING YOUR SAMPLE

TO ENSURE THE INTEGRITY AND SECURITY OF SAMPLES SENT TO PURITY, WE ASK THAT OUR CUSTOMERS OBSERVE THE FOLLOWING GUIDELINES WHEN SHIPPING SAMPLES:

- Secure each food sample in its own container. Seal each sample package completely to prevent leakage. This is very important to prevent cross-contamination.
- Use packing materials that are strong enough to travel without damage or leakage
- For samples needing refrigeration, please package and ship them appropriately and clearly mark “refrigerate” on the outside of the package to ensure continuous refrigeration.
- Label each sample individually with the identification you would like included on the final report. CAUTION: Do not use magic marker for labeling pesticide residue samples. This will contaminate the matrix.
- Enclose Purity's Analytical Request/Chain of Custody form(s) with sample identifiers and matrices, purchase order and analyses you would like performed on each sample.
- If you would like your samples or shipping coolers sent back to you, please provide your UPS or FedEx shipping number or include a return label with your product.
- Additional fees may apply for sample return or for special disposal.

Please ship your samples to arrive during the business week (Monday - Friday).





Analytical Request Form / Chain of Custody

17387 SW 63rd Ave.
 Lake Oswego, Oregon 97035
 Phone #: 503-297-3636
 Fax #: 503-297-3738
 www.puritylabsinc.com

General Instructions: Please complete this form and send along with samples to the above address. * - Required Information				Turnaround Time*			
				<input type="checkbox"/> Standard <small>within 10 business days depending on requested tests</small>		<input type="checkbox"/> Rush (Fee Applies) <small>Call for availability - applies to chemistry testing only</small>	
Client Information*				Billing Information* <input type="checkbox"/> Same as Client			
Contact:				Contact:			
Company:				Address:			
Address:				PO #:			
Email:				Email:			
Phone #:		Fax #:		Phone #:		Fax #:	
Report* <input type="checkbox"/> Email <input type="checkbox"/> Fax		Additional Report Recipients				Invoice* <input type="checkbox"/> Email <input type="checkbox"/> Mail	

Enter description and any other important information regarding test samples below. This information will appear on lab report. Use another form for additional samples.

About the sample	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5
Description*					
Lot Number					
Date & Time Sampled					
Requested Test(s)* with Purity Test Number*, include methods and/or specifications, if necessary					

Notes/Special Instructions

Relinquished By (Client)*		Received By (Lab use only):	
Signature: _____		Signature: _____	
Print: _____		Print: _____	
Date: _____	Time: _____	Date: _____	Time: _____

Note: Client signature on this form and/or submission indicates authorization for analysis to proceed and acceptance of Purity Laboratories standard terms and conditions.



TERMS OF SERVICE

- 1. Scope:** This document establishes Terms and Conditions of Service for K & D Laboratories, an Oregon corporation (dba Purity Laboratories (Purity)), which provides laboratory testing and other services to its customers (each a Customer).
- 2. Contract:** The Terms and Conditions of Service (Terms and Conditions) as described in this document are considered accepted by the Customer upon submission of an account application, Purity's LF1000 Analytical Request/Chain of Custody Form (Chain of Custody Form), or delivery of any sample to Purity and shall exclusively apply to all contracts between Purity and its customers. The Terms and Conditions described herein prevails over any Customer documents, except as agreed to by Purity in writing. Understanding Purity's Terms and Conditions is the responsibility of the Customer. The most current Terms and Conditions will be published by Purity on its website at www.puritylabsinc.com.
- 3. Submission of Samples:** To order services from Purity, the Customer must submit a completed Chain of Custody Form with each sample submitted for testing. The Chain of Custody Form is intended to record the movement of samples from collection to receipt at Purity and it also intends to serve as instructions and a purchase order for laboratory services. If the Chain of Custody Form is not filled out completely by the Customer or completed incorrectly, the sample will be set aside until the complete and correct information is obtained. Purity disclaims responsibility of testing delays that may occur because of receiving an incomplete or incorrect Chain of Custody Form from the Customer. To be a completed form, information regarding the following must be provided: Customer Name, Address, Telephone and Fax Numbers, Contact Person, Purchase Order Number, Unique Sample Description, Lot # and a detailed list of all tests that the Customer wants Purity to perform on the sample including the estimated analysis level(s) if known.
- 4. Sample Selection, Containment and Transport:** Customers are responsible for shipping samples to Purity to minimize contamination from containers or degradation from transport or improper handling also refrigeration, if required. The Customer should also ensure that samples submitted are representative of its product both in nature and in packaging. If multiple tests are required for the same lot of product, the Customer should provide multiple quantities of the sample as described on the Chain of Custody Form. The samples should be sent to Purity in air/leak proof protective containers. Any sample containing a potentially hazardous chemical should be sent in a container especially designed for protection specifically from that hazardous chemical. The Customer must receive Purity's written consent to receive a hazardous chemical for testing, prior to shipment and adhere to U.S. Food and Drug Administration (FDA) and/or U.S. Department of Agriculture (USDA) sampling guidelines where applicable.
- 5. Sample Acceptance:** Only samples received that meet Purity's criteria for acceptance will be processed and tested. Purity reserves the right to refuse or reject any sample and will notify the Customer should this occur. If the Customer requests that the rejected sample be returned, Purity will return the sample if possible. A handling fee for the return service may be charged.
- 6. Sample Retention:** Purity normally retains samples for 14 days from the time they arrive except for perishable items, which will be destroyed after testing is completed. Purity retains the right to remove or dispose of samples that are rotten prior to the 14 days.
- 7. Testing Methods:** Purity testing is generally conducted by testing procedures established by AOAC, USP, FDA, USDA or EPA or other procedures that Purity has developed for the type of sample tested.
- 8. Test Reports:** After testing, Purity will send the Customer a test report by e-mail or if the customer prefers by mail or both. For some tests, tests reports are accessible on our website at www.puritylabsinc.com. Purity will follow guidance provided by the Customer on Purity's Chain of Custody Form to ensure that the Customer receives testing as ordered.
- 9. Turnaround Times:** Current turnaround times are available by calling Purity at 503.297-3636 or on our website at www.puritylabsinc.com. Rush fees may be applied for samples requested in 1-3 days. Turnaround times are estimates and Purity shall make commercially reasonable efforts to meet its estimated deadlines. If a test is delayed for more than 2 days beyond Purity's normal turnaround times, the Customer will be notified then or earlier if possible. If sample material is provided in insufficient amounts, Purity will contact the customer to request that additional material be provided. A new deadline for test results will be established based on the receipt of adequate sample material to conduct the requested test.
- 10. Rush Testing:** Rush testing is available, subject to laboratory capacity, for an additional surcharge, normally double the published price for the test or



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- more if the rush will cause excessive disruption to Purity's business.
11. **Hazardous Materials:** Hazardous materials include a wide range of materials identified by local, state and federal governments. As mentioned in paragraph 4, it is the Customer's responsibility to inform Purity of any hazardous material shipped to Purity to be tested or for any other reason. Any damages arising from or relating to a Customer's failure to disclose a hazardous material will be the will be financial responsibility of the Customer. This can include medical expenses, clean-up and recovery expenses and administrative expenses relating to the damages caused by the Customer's failure to disclose a potentially hazardous material it sends to Purity.
 12. **Fees for Services:** Lab tests are charged at current published rates unless Purity agrees to other negotiated prices in writing and signed by the Lab Manager, CEO or President of Purity. Purity's current price list should be available on Purity's website at www.puritylabsinc.com. Pricing for tests that are not listed but may be available or developed for a Customer will be quoted, in writing by Purity.
 13. **Payment Terms:** Payment is due on receipt of Purity's invoice to a Customer, unless approved for Net 30 day terms by Purity. To qualify for Net 30 day terms, a Customer must complete and submit Purity's Application for Credit Form for review and approval by Purity. If credit terms are extended to a customer, Purity will confirm those terms in writing to the customer by e-mail or mail.
 14. **Invoices and Payments:** All prices quoted or otherwise specified by Purity are exclusive of taxes. If Purity is required to collect any taxes from a Customer with respect to the services, such amounts will be added to the Customer's invoice. Purity will invoice a Customer following approval for release by its QC department. Purity will charge interest on past due amounts at the rate of one and one-half percent (1 1/2%) per month or the maximum rate allowed by law, whichever is less. Delinquent accounts (those with unpaid invoices over 90 days old) may be referred to an outside collection agency and/or attorney, and Customer shall pay all associated collection expenses, including agency fees, attorneys' fees, and court costs.
 15. **Warranties:** Purity warrants that it will report test results "as is" and without additional warranties of any kind. If the Customer requires specific detection limits, it is the Customer's responsibility to ensure that Purity can meet those limits before submitting the sample to be tested. The Customer's sole and exclusive remedy for any breach by Purity will be to have a sample retested, providing Purity has adequate material for the retesting or if not, the Customer provides additional sample material to test.
 16. **Subcontracting:** Purity may subcontract Services to third party laboratories to meet all a Customer's requirements for testing. Use of subcontractors must be approved by the Customer. All warranty disclaimers, limitations of liability and other restrictions in this agreement will apply to any subcontractor's test results and other services.
 17. **Litigation Costs:** The Customer will reimburse Purity for all costs incurred by Purity and/or its subcontractors, for responding to any subpoena or any other legal process relating to the test results or other services provided to the Customer. Costs for time spent will be calculated based on the hourly rate schedules for any of Purity's employees, officers, contractors or advisors.
 18. **Indemnity and Insurance:** The Customer agrees to defend, indemnify, and hold harmless Purity, its affiliates, its subcontractors, their respective successors and permitted assigns, and all of their respective directors, officers, shareholders, members, employees, representatives, and agents (collectively, the "Indemnitees") from and against any and all claims, actions, suits, proceedings, demands, losses, fines, damages, costs, (including, without limitation, reasonable attorneys' fees, expert witness fees, and court costs), and other remedies of any kind or nature (whether based on tort, contract, warranty, products liability, strict liability, trade, regulatory, or other law) arising from or otherwise relating to any Customer product or service, including without limitation any claim or allegation that any Customer product or service was or is dangerous; defective in design, ingredients, manufacture, production, bottling, packaging, or otherwise; unsafe; unfit for consumption or use; otherwise unfit, defectively or otherwise improperly labeled, packaged, shipped, or otherwise transported; negligently, fraudulently, or otherwise improperly advertised, marketed, or promoted; or otherwise injured, harmed, or damaged any person or property in any way (individually a "Claim" and collectively "Claims"). Purity agrees to (i) provide its Customers with notice of a Claim within ten (10) days after being formally served therewith; (ii) provide the Customer the opportunity to defend and settle the Claim, except that the Customer shall not settle the Claim without the prior written consent of Purity, and (iii) provide reasonable assistance to the Customer, at the Customer's request and expense, to defend against the Claim. Purity will have the right, in its sole discretion, to participate in the



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- defense of the Claim, at its own expense, through counsel of its own choosing.
19. **Insurance Coverage:** Without limiting the generality of the previous paragraph, the Customer represents and warrants to Purity that (i) the Customer has and will maintain products liability insurance with an A.M. Best A+ or better rated carrier providing protection and adequate coverage with respect to any and all claims, liabilities, damages, costs, and expenses arising out of or otherwise relating to any defects or alleged defects in Customer's products; (ii) such products liability insurance includes coverage for additional insureds that include the Indemnitees; and (iii) the Customer will notify Purity within ten (10) days of any cancellation, modification, or reduction of such insurance coverage. In addition to any other remedies available, Purity reserves the right to terminate all Services for Customer in the event of any breach of the foregoing warranties or for the cancellation of any such insurance coverage or any gap in such coverage.
 20. **Assignment:** Neither party may assign this agreement without the other party's written consent, which shall not be unreasonably withheld. This agreement shall be binding on and inure to the benefit of each of the parties' successors and permitted assigns, if any. The Customer will inform Purity of any change of ownership or control of Customer, whether by merger, stock sale, or otherwise, and Purity shall have the right, in its sole discretion, to terminate this agreement or revoke Customer's credit account.
 21. **Relationship of the Parties:** The relationship of the parties established by this agreement is that of independent contractors, and nothing contained in this agreement shall be construed (a) to give either party the power to direct and control the day-to-day activities of the other, (b) to constitute the parties as partners, joint venturers, co-owners, or participants in any joint or common undertaking, or (c) to allow either party to act as an agent of the other or otherwise to create or assume any obligation on behalf of the other party.
 22. **Notices.** Notices shall be made in writing, shall be sent by email, facsimile, certified mail, hand delivery, or express carrier, and will be effective upon receipt.
 23. **Compliance with Laws:** Each party agrees to comply with all federal, state, and local laws applicable to its performance of this agreement.
 24. **Non-Waiver:** Any failure or delay by either party to exercise or partially exercise any right, power or privilege under this agreement shall not be deemed a waiver of thereof.
 25. **Severability.** If a court of competent jurisdiction finds any provision of this agreement to be void, invalid, illegal or unenforceable, the provision will be limited, modified, or if necessary severed, to the extent necessary to eliminate its violability, invalidity, illegality, or unenforceability, and the other provisions hereof shall remain unaffected. Any void, invalid, illegal, or unenforceable provision will be replaced by the parties by a legal and enforceable closest in operation and effect to the void, invalid, illegal, or unenforceable provision.
 26. **Force Majeure:** A party's failure to perform in timely fashion shall not be a breach of this agreement if such failure to perform results from circumstances beyond the party's reasonable control, including, but not limited to, labor disputes, civil disturbances, acts or non-actions of governmental authorities or suppliers, epidemics, war, embargoes, severe weather, fire, earthquakes, Internet outage, Acts of God, or default of a common carrier. This provision shall not apply, however, to the Customer's payment obligations to Purity.
 27. **Governing Law:** This agreement shall be governed by and interpreted in accordance with the laws of the State of Oregon, excluding its conflicts of law rules. Exclusive jurisdiction and venue for any disputes arising or relating to this agreement shall be in the federal and state courts sitting in Portland, Oregon and each party irrevocably consents to such jurisdiction and venue. The party that substantially prevails in any action or proceeding brought with respect to this agreement will be entitled to recover, in addition to any other relief, its costs and reasonable attorneys' fees. Each party irrevocably waives the right to a trial by jury in any and all actions or proceedings brought under or with respect to this agreement.
 28. **Survival of Terms:** The provisions of the agreement that by their nature extend beyond the termination of this agreement will survive and remain in effect until all obligations are satisfied.
 29. **Entire Agreement.** This agreement constitutes the entire agreement between the parties as to the subject matter hereof and supersedes all prior written and oral communications, agreements, representations, warranties, statements, negotiations, understandings, and proposals, with respect to such subject matters.

PRICE LISTS



Allergens

TEST NO	TEST	METHOD	PRICE
CH053	Gluten	Rapid	\$70.00
CH054	Milk	Rapid	\$70.00
CH055	Peanut	Rapid	\$70.00
CH056	Soy	Rapid	\$70.00
CH057	Egg	Rapid	\$70.00
CH143	Almond	Rapid	\$70.00
CH800	5 Allergen Panel (Gluten, Milk, Peanut, Soy, Egg)	Rapid	\$300.00

Food Chemistry

TEST NO	TEST	PRICE
CH031	Ash/Residue in ignition	\$22.00
CH032	Moisture	\$22.00
CH033	Protein	\$55.00
CH034	Fat	\$36.00
CH035	Alcohol Content	\$64.00
CH036	Acidity	\$25.00
CH037	Aflatoxin	\$125.00
CH038	Brix	\$23.00
CH039	Chlorophyll	\$58.00
CH040	Free Fatty Acid	\$48.00
CH043	Peroxide Value	\$63.00
CH044	pH	\$19.00
CH045	Salt	\$36.00
CH047	Water Activity	\$30.00
CH048	Water Phase Salt	\$63.00
CH049	Nitrate (ppm)	\$85.00
CH050	Nitrites (ppm)	\$85.00

Nutritional Panel

TEST NO	TEST	PRICE
CH058	Nutritional Panel	
	Total Calories, Calories from Fat, Carbohydrates, Protein, Ash, Moisture	\$190.00

Wastewater

TEST NO	TEST	PRICE
CH002	Chemical Oxygen Demand	\$37.00
CH003	Chloride	\$30.00
CH005	Hardness (Total)	\$40.00
CH006	Nitrate in water	\$48.00
CH007	Nitrite in water	\$48.00
CH012	pH in water	\$16.00
CH013	Solids Total Dissolved (TDS)	\$27.00
CH014	Solids Total Dissolved (TSS)	\$27.00
CH016	Turbidity	\$30.00

Residual Solvents

TEST NO	TEST	PRICE
CH122	Ethanol	\$125.00
CH123	Methanol	\$125.00
CH125	Acetic Acid	\$125.00
CH130	Ethyl Acetate	\$125.00
CH131	Acetonitrile	\$125.00
CH132	Pyridine	\$125.00
CH133	n-Hexane	\$125.00
CH134	Acetone	\$125.00
CH135	Ethyl Alcohol	\$125.00
CH136	Dichloromethane	\$125.00
CH137	Chlorobenzene	\$125.00
CH138	Cyclohexane	\$125.00
CH139	Toluene	\$125.00
CH140	Benzene	\$125.00

Microbiology

TEST NO	TEST	METHOD	PRICE
MI002	Aerobic Plate Count	FDA BAM	\$17.00
MI002C	Aerobic Plate Count	USP	\$17.00
MI003	Anerobic Plate Count	USP	\$26.00
MI004	Coliforms/E. coli (MPN)	FDA BAM	\$37.00
MI006	E. coli/Coliforms MPN Confirmation	FDA BAM	\$36.00
MI007	Coliforms/Fecal Coliforms (MPN)	FDA BAM	\$37.00
MI009	Fecal Coliforms MPN Confirmation	FDA BAM	\$40.00
MI010	Total Coliforms/E. coli (APAC 991.14)	PETRIFILM	\$22.00
MI011	E. coli	USP	\$33.00
MI012VD	E. coli 0157:H7 (25 g Vidas) (AOAC-RI 060903)	VIDAS	\$36.00
MI013VD	E. coli 0157:H7 (375 g Vidas) (AOAC-RI 060903)	VIDAS	\$83.00
MI014	E. coli Confirmation	VARIOUS	Ask for quote
MI016	Enterobacteriaceae (AOAC-2003.01)	PETRIFILM	\$28.00
MI017	Gram Stain	STAINING	\$24.00
MI018	Lactic Acid Bacteria Count	SMEDP 17th ed	\$30.00
MI019	Lactobacillus Count	SMEDP 17th ed	\$27.00
MI020VD	Listeria spp. (AOAC-2013.10)	VIDAS	\$32.00
MI021	Listeria spp. Confirmation	VARIOUS	Ask for quote
MI023	Pseudomonas (USP)	USP	\$20.00
MI024	Pseudomonas Confirmation	VARIOUS	\$20.00
MI025	Salmonella	USP	\$33.00
MI026VD	Salmonella (25 g Vidas) (AOAC-2013.10)	VIDAS	\$35.00
MI027VD	Salmonella (375 g Vidas) (AOAC-2013.11)	VIDAS	\$72.00
MI028	Salmonella spp. Confirmation	VARIOUS	Ask for quote
MI032	Staphylococcus aureus (AOAC 2001.05)	PETRIFILM	\$21.00
MI033	Staphylococcus aureus	FDA BAM	\$26.00
MI034	Staphylococcus aureus	USP	\$37.00
MI037	Yeast & Mold	FDA BAM	\$20.00
MI038	Heterotrophic plate count 1 ml	POUR PLATE	\$24.00
MI039	Heterotrophic plate count 100 ml	Mem/Filtra	\$33.00
MI040	Potability	Colliert Test	\$35.00
MI045	Composting Fee (each)	N/A	\$18.00
MI052	Yeast & Mold (Rapid) (AOAC 2014.05)	PETRIFILM	\$20.00
MI053	Yeast & Mold	USP	\$20.00
MI054	Enterococcus	SMEDP 17th ed	\$40.00
MI055	Enterobacteriaceae	USP	\$25.00
MI059	Staphylococcus aureus Confirmation	VARIOUS	Ask for quote
MI080	Bacillus cereus	FDA BAM	\$55.00

Microbiology Panels

Test No.	Test	Price
MI041	Microscreen #1: Aerobic Plate Count, Total Coliforms/E.	\$70.00
MI042	Microscreen #2 Microscreen #1: Aerobic Plate Count,	\$70.00
MI043	Pathogen Screen Listeria spp, E. coli, 0157:H7,	\$140.00
MI0100	USP Screen Micro Package Aerobic Plate Count, Yeast & Mold,	\$90.00
MI101	Micro Package #2 Enterococcus, Yeast & Mold, Total	\$110.00

Heavy Metals

TEST NO	TEST	METHOD	PRICE
CH059	Aluminum	ICP-MS	\$12.00
CH060	Antimony	ICP-MS	\$12.00
CH061	Arsenic	ICP-MS	\$12.00
CH062	Barium	ICP-MS	\$12.00
CH063	Beryllium	ICP-MS	\$12.00
CH064	Boron	ICP-MS	\$12.00
CH065	Cadmium	ICP-MS	\$12.00
CH066	Calcium	ICP-MS	\$12.00
CH067	Chromium	ICP-MS	\$12.00
CH068	Cobalt	ICP-MS	\$12.00
CH069	Cooper	ICP-MS	\$12.00
CH070	Iron	ICP-MS	\$12.00
CH071	Lead	ICP-MS	\$12.00
CH072	Magnesium	ICP-MS	\$12.00
CH073	Manganese	ICP-MS	\$12.00
CH074	Mercury	ICP-MS	\$12.00
CH075	Molybdenum	ICP-MS	\$12.00
CH076	Nickel	ICP-MS	\$12.00
CH077	Palladium	ICP-MS	\$12.00
CH078	Phosphorous	ICP-MS	\$12.00
CH079	Platinum	ICP-MS	\$12.00
CH080	Potassium	ICP-MS	\$12.00
CH081	Selenium	ICP-MS	\$12.00
CH082	Silver	ICP-MS	\$12.00
CH083	Sodium	ICP-MS	\$12.00
CH084	Thallium	ICP-MS	\$12.00
CH085	Tungsten	ICP-MS	\$12.00
CH086	Tin	ICP-MS	\$12.00
CH087	Uranium	ICP-MS	\$12.00
CH088	Vanadium	ICP-MS	\$12.00
CH089	Zinc	ICP-MS	\$12.00
CH090	Digestion Fee		\$26.00

Heavy Metals Panels

CH114	4 Metals Panel (Lead, Mercury, Cadmium, Arsenic, Chromium)	\$70.00
CH095	5 Metals Panel (Lead, Mercury, Cadmium, Arsenic, Chromium)	\$85.00
CH091	8 RC Metals Panel (Lead, Mercury, Cadmium, Arsenic, Silver, Selenium, Antimony)	\$115.00
CH092	9 USP Metals Panel (Lead, Mercury, Cadmium, Arsenic, Silver, Antimony, Tin, Copper, Molybdenum)	\$130.00
CH0119	24 Heavy Metals Panel	\$300.00
	Label Chaim.Macro Elements	\$50/ea.

Vitamins & Other Nutrients

TEST NO	TEST	METHOD	PRICE
CH019	Vitamin A (acetate, palmitate)	HPLC	\$95.00
CH128	Vitamin A (beta carotene)	HPLC	\$128.00
CH022	Vitamin B1 (Thiamin Monocitrate)	HPLC	\$120.00
CH023	Vitamin B2 (Riboflavin)	HPLC	\$122.00
CH024	Vitamin B3 (Niacin, Niacinamide)	HPLC	\$122.00
CH098	Vitamin B5 (Pantothenic Acid)	HPLC	\$120.00
CH025	Vitamin B6 (Pyrodoxine)	HPLC	\$120.00
CH099	Vitamin B7 (Biotin, Vitamin H)	HPLC	\$132.00
CH0100	Vitamin B9 (Folic, Folinic)	HPLC	\$125.00
CH097	Vitamin B12 (Methylcobalamin, Cynobalamin)	HPLC	\$80.00
CH026	Vitamin C	Titration	\$100.00
CH021C	Vitamin D3	HPLC	\$120.00
CH020	Vitamin E (Alpha Tocopherol, Acetate, Succinate)	HPLC	\$95.00
CH105	Vitamin K1	HPLC	\$130.00
CH106	Vitamin K2 MK4	HPLC	\$130.00
CH096	Caffeine	HPLC	\$115.00
CH101	resveratrol	HPLC	\$110.00
CH103	CoEnzyme Q10	HPLC	\$128.00
CH107	Melatonin	HPLC	\$128.00
CH109	GABA	HPLC	\$150.00
CH110	Acetyl L-Carnatine	Titration	\$145.00
CH111	L-Leucine	Titration	\$128.00
CH115	PABA	HPLC	\$110.00
CH116	Pyridoxal-5-Phosphate (P5P)	HPLC	\$100.00
CH117	5-MTHF	HPLC	\$100.00
CH118	5-Hydroxytryptophan	HPLC	\$125.00
CH127	Iodine	Titration	\$125.00
CH300	Glyphosate	HPLC	\$300.00

Toxicity Panels

TEST NO	TEST	Method	PRICE
CH350	Toxicity Panel #1 - 350 Contaminants	GC-MS	\$70.00
CH520	Toxicity Panel #2 - 500 Contaminants	GC-MS	\$90.00
CH932	Toxicity Panel #3 - 900+ Contaminants	GC-MS	\$300.00

Advancing the Standards

Our proprietary Purity Tested™ test panel for 900+ Contaminants (CH932), is one the most comprehensive tests offered in the dietary supplement industry for detecting potentially harmful toxic compounds.



Consumers are increasingly seeking foods that are free of contaminants, which negatively affect their health. Our Purity Tested™ protocol, tests for more than 900 compounds that are known as potentially harmful to human health, including pesticides, fungicides, insecticides, biocides, herbicides, other chemicals and 24 heavy metals. These are potential toxins that can show up in food and dietary supplements but that are not included in FDA guidelines for testing.

Dietary supplement manufacturers and raw ingredient suppliers are successfully using this test to broaden their market appeal. Customers who purchase our 900+ toxic compounds test, will be authorized to use our Purity Tested™ seal on promotional materials, labels, certificates of analyses or other media. A list of 900+ compounds are available on request.



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