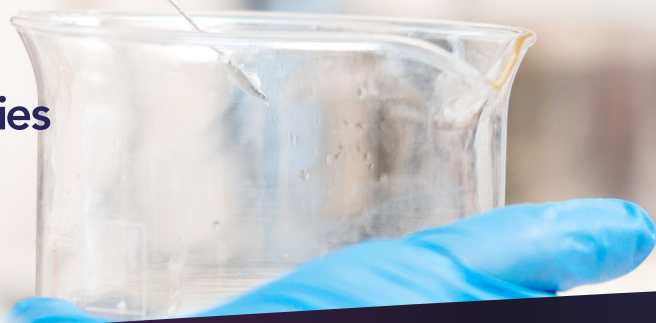




Canadian
Analytical
Laboratories



**Industry Leadership
& Expertise for Analytical Testing
and Research Services**

Leading with expertise, modern laboratory facilities and a strong customer focus

Our well-staffed highly credentialed team members handle your testing programs efficiently, accurately and on time. We bring unique expertise where official methods do not always work such as with multi-ingredient formulations that are compounded into very complex matrices of botanicals.

Many of our scientists have traditional training in pharmacognosy and natural product chemistry and are skilled at recognizing and understanding specific requirements and solving unique problems as products transition from R&D to production. This contributes to reducing overall developmental time and cost efficiency.

Quality Control Testing

Includes verification of individual ingredients or final product standards, verification of consistent levels of active ingredients in product, and confirmation of marketing claims at product release.

Stability Studies

Ensure your products remain safe and effective during storage, transportation and under varying environmental conditions with our complete or tailored stability services.

Analytical Microbiology

We provide bacterial identification of food borne pathogens, shelf life evaluation (preservative efficacy), routine microbiological monitoring of food quality and manufacturing practices, and micro-vitamin analysis.

Method Development, Transfer & Validation

We offer extensive expertise in Rapid Method Development for different analytes for Natural Health Products, active pharmaceutical ingredients (APIs), drug formulations, cosmetics, personal care products, and raw materials.

Analytical Chemistry

Our services are most often applied to product quality control. We test raw materials, finished products, and packaging material as well for all dosage formats including tablets, capsules, creams, ointments, liquids, powders, and powder blends.

Research & Development

We provide custom designed research and development of scientific protocols, methods, processes, product formulations and product standards to meet the needs of individual clients and markets.

Pharmaceuticals	Natural Health Products	Food & Beverages	Cosmetics/Personal Care	Herbals & Botanicals	Cannabis, CBD, Terpene
Full service contract testing for Rx, OTC, and Precursor Class A Controlled Substances	Vitamins and Mineral Supplements, Whole Food Supplements, Sports & Nutrition and Weight Management/Loss Products	Bacterial identification of food borne pathogens, shelf life evaluation, routine microbiological monitoring of food quality and manufacturing practices.	Cosmetics/Cosmetic Drugs (Cosmeceuticals) Baby Care, Skin Care, Body Care, Hair Care, Toiletries, Fragrances, Beauty Care, Personal Care	Natural source testing on herbal and botanical extracts, essential oils and flavoring compounds. Specifications for Identity, Strength and Composition, and Adulteration Testing.	Potency Testing (Identification and concentration of cannabinoids) and Pesticides and Impurities Testing
Testing Services	Testing Services	Testing Services	Product Types	Testing Services	Testing Services
Characterization of APIs, Excipients and Drug Product	Vitamin Testing	Food additive identification and quantification	Sprays, Butters, Oils, Pastes, Lotions, Ointments, Creams, Sticks, Gels	Identification of Raw Material using High Performance Thin Layer Chromatography (HPLTLC), HPLC and Infrared Spectroscopy	Aflatoxins
Formulation Evaluation Study	Enzyme Testing	Routine analysis for quality control (pH, acidity, Aw, level of additives)	Testing Services	Analysis of Marker Compound Assay using Current Official Methods for raw herbs and single herb finished products	Cannabinoid Profile (Potency)
Impurity Profiling	Amino Acids	Artificial colouring	Sunscreens and other Cosmetic Actives		Heavy Metal Analysis
Dissolution Profiling	Fatty Acids	Flavouring	Preservatives		Microbiology Testing
Residual Solvents analysis in API and Drug Products	Ingredient Identification & Quantification	Preservatives	Heavy Metal Contaminants		Pesticide Testing
Microbiological Analysis	Ingredient Review	Food Allergens	Residual Solvents (Class-1, -2, -3)		Terpene Profile
Stability Services	Label Content Verification	Identification of food contaminants & adulterants			Stability Studies
Stability Indicating Method Development, Method Validation and Method Transfer	New Product Development	Pesticide Residue			Environmental Monitoring
Stability Protocol Preparation, Analysis & Monitoring	Competitor Product Testing	Toxic metals			Potency (as per German Pharmacopeia)
Assigning Shelf-life	Gluten-Free, non-GMO and Allergen-Specific Tests	Microbial contamination			Foreign Matter
Cleaning Validation	Visual Appearance				Moisture Content (Loss on Drying)
	ELISA Testing	Nutrition Analysis			Ash Analysis
	Viscosity	Proteins			Residual Solvents
	Product Safety Analysis	Fats			
	Disintegration Testing	Carbohydrates			
	Heavy Metal/ Elemental analysis	Dietary Fibres			
	Residual Solvents	Crude Fibre			
	Pesticide & Herbicide Analysis	Fatty Acid Profile			
	Moisture Content	Saturated Fatty Acid			
	Toxicity Screening	Trans Fats			
	Peptide Mapping	Energy (Cal)			
	Impurities & Residual Analysis				
	Product Failure Analysis				
	Analytical Chemistry				
	Analytical Microbiology				

Our laboratory facility is licensed by Health Canada with a current Establishment License and a Cannabis License. We maintain a Precursor Class A License and a Controlled Substances License as well as FDA Registered, TGA Registered, and with an ISO Registration in process.



Health
Canada