

A LA CARTE TESTING

Mineral: Silver Bullet Analytics' mineral analysis solutions provide a full range of tests to screen for contaminants and to ensure optimum micro- and macronutrient levels.

Biological: The biological analysis solutions determine the level of organics and evaluates bacterial populations so that unwanted microbial growth may be controlled.

Heavy Metals: If heavy metal contamination is known or suspected to be at toxic or problematic levels, Silver Bullet Analytics can help determine the types and concentrations.

Genomic: Polymerase Chain Reaction (PCR)-based technologies, coupled with sequencing, are used to identify pathogenic, benign, or beneficial organisms present within either the plant tissue or the irrigation water.

Condensate: The condensate analysis will test for harmful metals, organics, and bacteria typically found in condensate water to ensure it is safe for reuse.

Plant Tissue Nutrient: Plant tissue analysis allows for the direct determination of your plant's nutrient profile by looking at an array of common macro- and micronutrients.

Grow Media: Nutrient ion binding, microbial contamination, imbalances in the microbiome, salt accumulation and bioaccumulation are just a few of the challenges our analytical services and expert feedback will help you address.



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TESTING PACKAGES

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WATER & PLANT TISSUE TESTING PACKAGES

Pathogen Identification (qPCR, etc.): This testing process identifies the presence/absence of plant pathogens using PCR-based gene-targeted amplification or immunological techniques. Common examples include fusarium, Hops Latent Viroid, pythium, verticillium, podosphaera (powdery mildew), etc. This test also may be used to identify beneficial microbes.

Genomic: Next Generation Sequencing (NGS) technologies are used to identify and list any pathogenic, benign, or beneficial organisms present within either the plant tissue, soil or the irrigation water.

Customized Media Cultures: SBWT uses specialty microbial media cultures to enumerate a variety of microorganisms. Know your microbial levels to best manage your business.

Plant Tissue Nutrient Analysis (Micro+Macro): Tests included in this package: Digest plant tissue material and analyze for N, P, K, Ca, Mg, Fe, Mn, S, Si, Mo, Na, Cu, Zn, and Ni levels.

Plant tissue analysis determines essential nutrient concentrations in sampled plant tissues. It complements a proven soil testing plan and helps identify ways to use nutrients more efficiently.

Plant Gender Determination (PCR): Genetic ID of male (cannabis) plants once a second set of leaflets are present.

CONTACT SILVER BULLET!

Engage with us to experience first-hand how our expertise, analytical services, engineering advantage, custom designed solutions, state-of-the-art technologies, and attention to YOU, allows Silver Bullet to **TREAT WATER. BETTER.**



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WATER TESTING PACKAGES

SBWT Routine Water Testing Analysis Package Tests included in this package: pH, Alkalinity, Conductivity, Iron, Manganese, Turbidity, UVT, COD, HPC & Total Coliform Bacteria. *Best value testing package for typical water quality monitoring schedules.*

Water Management Design Baseline Package Tests included in this package: Alkalinity, Aluminum, Ammonia, pH, Barium, Boron, Calcium, Magnesium, Chloride, COD, Fluoride, Iron, Manganese, Nitrate, Potassium, Silica, Sodium, Strontium, Sulfate, TDS, Turbidity. *SBWT's baseline testing package for sizing and design for all water treatment solutions.*

Mineral Package with Bacteria Analysis Tests included in this package: Alkalinity, HPC & Coliform Bacteria, COD, Conductivity, Iron, Manganese, pH, Turbidity, UVT, Calcium, Magnesium, Sulfate, Chloride. *SBWT's best value package for mineral and bacteria testing.*

Wastewater Runoff Package: Tests included in this package: HPC & total coliforms, yeast & molds, COD (substitute with BOD upon request), Conductivity, pH, UVT, total Nitrogen, Ammonia, TKN, Nitrate, Organic Nitrogen, TSS, O-Phosphate. *Used to monitor runoff water streams and monitor discharge for regulatory limits, where applicable.*

Biological Package Tests included in this package: HPC & Coliform Bacteria, Conductivity, COD, UVT & pH. *All of your microbial and biological water testing needs in one value-added package.*

Condensate Package with Bacteria Analysis Tests included in this package: Aluminum, HPC & Coliform Bacteria, COD, Conductivity, Copper, Iron, Lead, pH, Turbidity, UVT, Zinc. *The testing package helps ensure your captured condensate water quality meets your expectations.*

Biological Package with Pathogen Screening Tests included in this package: HPC & Coliform Bacteria, COD, Conductivity, Pathogen Screening, Yeast & Mold, pH, UVT. *Pathogen outbreaks can be devastating to a water-dependent business. This package helps monitor potentially harmful bacteria, microbes, and fungus to prevent outbreaks or bring existing problems under control.*

Heavy Metal Package Tests included in this package: Arsenic, Cadmium, COD, Conductivity, Copper, Lead, Mercury, pH, UVT. *Using the most advanced Inductively Coupled Plasma (ICP) technology, SBWT can quickly determine which metals (helpful and harmful) exist in your samples and at what quantity.*

TESTING PACKAGES

ANALYTICS DIVISION

ANALYTIC CONSULTING SERVICES

Engineering Consulting (priced per hour): Expert biology, chemistry, and engineering consulting services for hydraulic design, product implementation and process optimization.

Program Development (priced per hour): SBWT has the engineering, operations, and analytical expertise to help your business develop and draft operating procedures, best management practices, and process optimization.

LEARN MORE:

For more information or to get started with how we can help to improve your water, email us at laboratory@silverbulletcorp.com or call us at (303) 552-2383. Find us online at: www.silverbulletcorp.com.

