



BANNED SUBSTANCES CONTROL GROUP

THE GOLD STANDARD IN CERTIFICATION & TESTING

BSCG CERTIFIED DRUG FREE[®]
BSCG CERTIFIED QUALITY[™]
BSCG CERTIFIED GMP[™]



DIETARY SUPPLEMENT SAFETY CONCERNS //



Dietary supplement use has become increasingly popular as more people pursue healthier lifestyles. With over half of American adults currently using dietary supplements, sales topping \$30 billion, and use among athletes at more than 73%, supplement quality control and safety are now of primary concern.

Supplement safety issues can generally be categorized into three main areas: possible adulteration of products with hidden drugs; contamination from heavy metals, pesticides, solvents or microbiological agents; and the authenticity of label claims and ingredients.

These concerns are real. A 2001 survey of dietary supplement products commissioned

by the International Olympic Committee found that 14.8% of 634 products analyzed were contaminated with unlabeled drugs that could cause a positive drug test or other health concerns. Banned Substances Control Group (BSCG) Chief Science Officer Don Catlin, M.D., and colleagues from around the anti-doping community have written numerous publications demonstrating the risk of drug contamination in supplements and highlighting the reality that many products do not contain the ingredient amounts claimed on their nutritional labels. *Consumer Reports* and other publications have focused on issues with heavy metals contamination, label claims and more. The U.S. Food and Drug Administration's (FDA) statement below establishes the scope of the issue.

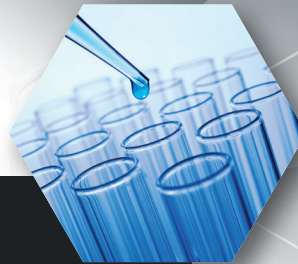
“Remember, FDA cannot test all products on the market that contain potentially harmful hidden ingredients. Enforcement actions and consumer advisories for tainted products only cover a small fraction of the tainted over-the-counter products on the market.”*

—FDA

Indeed, the “FDA has identified an emerging trend where over-the-counter products, frequently represented as dietary supplements, contain hidden active ingredients that could be harmful. Consumers may unknowingly take products laced with varying quantities of approved prescription drug ingredients, controlled substances, and untested and unstudied pharmaceutically active ingredients.”*

*Source: U.S. Food and Drug Administration Website.
<http://www.fda.gov/Drugs/ResourcesForYou/Consumers/BuyingUsingMedicineSafely/MedicationHealthFraud/ucm234592.htm>





THE GOLD STANDARD //

BSCG represents the gold standard in third-party dietary supplement testing and certification. Our mission is to ensure supplement products and ingredients are free of drugs and other harmful agents that can lead to health concerns or positive

drug tests, and to verify quality specifications. This enables our clients to establish their brands and products as safe, reputable and drug free. It also provides athletes and consumers with trusted supplement options.



BSCG CERTIFIED DRUG FREE®

BANNED SUBSTANCE PROTECTION //

The BSCG Certified Drug Free® program offers industry leading protection against banned substances and other illicit drugs. Finished lots of products or ingredients are tested for 483+ drugs, including more than 272 banned in sport and 211 prescription, over-the-counter, and illicit drugs not banned in sport (benzodiazepines, muscle relaxers, phosphodiesterase type 5 (PDE-5) inhibitors, weight loss drugs and more). BSCG tests for more banned substances in sport than any other certification provider and is the only program to include testing for prescription

and over-the-counter drugs not banned in sport. A 21 C.F.R. 111 Good Manufacturing Practices (GMP) quality control process review, ingredient and supplier review, as well as a toxicology assessment are conducted as part of the certification process. The BSCG Certified Drug Free® program offers drug-testing security to athletes and professionals across the spectrum of WADA, NFL, MLB, NHL, NBA, WNBA, PGA, LPGA, MLS, ATP, WTA, FIFA, FINA, AFL, NRL, NASCAR, UFC, CrossFit, NCAA, military, law enforcement, and other drug-testing programs.

PROGRAM ADVANTAGES AND KEY ELEMENTS //

483 drugs total in testing menu	✓
272 drugs banned in sport in testing menu	✓
211 prescription, over-the-counter, or illicit drugs not banned in sport in testing menu	✓
30+ years of experience with human drug testing in sport	✓
Method detection levels in parts per billion (ppb, or ng/g), low levels are essential for athlete protection against positive drug tests	✓
Testing menu and detection level details available on website	✓
Tests in International Organization for Standardization (ISO) 17025 accredited laboratories	✓
ISO 17025 Scope of Accreditation for laboratories includes nutritional supplement analysis	✓
21 CFR 111 Good Manufacturing Practices (GMP) quality control process review	✓
Raw material ingredient and supplier review	✓
Toxicology Assessment	✓
Every batch or monthly testing required providing ongoing protection	✓
Random off-the-shelf testing conducted	✓
Searchable database of certified products and lot numbers available on website	✓



WE HAVE A PROGRAM FOR YOU //

BSCG is the Gold Standard in Dietary Supplement Testing & Certification. BSCG offers three different certification programs to finished product brands, ingredient providers, and manufacturing facilities. BSCG Certified program options include; Certified Drug Free® (industry leading banned substance protection), Certified Quality™ (quality assurance and contaminant testing), and Certified GMP™ (GMP onsite audits and compliance). We have a program for you!

BSCG CERTIFIED DRUG FREE®



BSCG Certified Drug Free® is the gold standard when it comes to protection against banned substances and drug contamination. The **BSCG Certified Drug Free® standard testing menu** covers 483 drugs, more than double what other programs offer. This includes 272 drugs on the World Anti-Doping Agency (WADA) Prohibited List and an additional 211 illicit, prescription and over-the-counter drugs not banned in sport. BSCG Certified Drug Free® offers the broadest protection against drugs banned in sport available in the supplement certification industry. It is also the only program of its kind to offer protection beyond the realm of drugs banned in sport by including antidepressants, benzodiazepines, muscle relaxants, opioids, pain-killers, PDE-5 inhibitors (Viagra), and other drugs of concern. The BSCG Certified Drug Free® program offers drug-testing security to athletes and professionals across the spectrum of WADA, NFL, MLB, NHL, NBA, WNBA, PGA, LPGA, MLS, ATP, WTA, FIFA, FINA, AFL, NRL, NASCAR, UFC, CrossFit, NCAA, military, law enforcement, and other drug-testing programs.

BSCG CERTIFIED QUALITY™



BSCG Certified Quality™ provides certification and analytical testing for dietary supplements and natural products to verify label claims or ingredient identity and screen for our full suite of contaminants. Annual testing is required for a minimum of one or two markers as well as screening for the presence of heavy metals, pesticides, microbiological agents, and class 1 solvents. Also, a 21 C.F.R. 111 – GMP quality control process review is conducted as well as a raw material/ingredient list and associated risk evaluation. Quality control testing in the dietary supplement and natural foods industry often occurs behind the scenes, but the BSCG Certified Quality™ program provides third-party verification of quality and allows that quality to be showcased through the use of the BSCG Certified Quality™ seal.

BSCG CERTIFIED GMP™



BSCG Certified GMP™ provides a means of verifying compliance with 21 C.F.R. 111 GMP requirements and allows finished product brands, raw material / ingredient providers, as well as manufacturing facilities to market that compliance through the use of the BSCG Certified GMP™ seal. Onsite audits of the facilities involved in production are conducted evaluating the various subparts of 21 C.F.R. 111 as they would typically be considered in the course of a GMP audit. These audits are conducted once every two years. A Final Report or an Interim Report and Corrective Action review are provided at the completion of the audit. Our GMP compliance services go above and beyond just the audit process by providing support on process creation and refinement, audit response preparation, quality control audit training, and more.



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BANNED SUBSTANCES CONTROL GROUP A TRUSTED LEADER IN SUPPLEMENT CERTIFICATION AND TESTING //

In 2004, Banned Substances Control Group (BSCG) helped found a new industry focused on drug testing and dietary supplement certification for banned substances in sport. We have since taken the industry to a whole new level offering expanded protection for all consumers.

Our initial dietary supplement certification program focused on the protection of elite athletes & professionals and targeted banned substances in sport; this still remains a key focus. We realized, however, that human athletes are not the only individuals who face risks from dietary supplement contamination. Indeed, ~75% of the contamination issues that the U.S. Food and Drug Administration (FDA) finds in tainted supplements come from drugs not banned in sport, leaving the broader consumer population at risk. Equines & canines face similar challenges as humans with concerns over feed contamination, compounded veterinary drugs and a burgeoning group of veterinary supplements.

Our **BSCG Certified Drug Free®** program has responded by broadening our approach to focus on drugs of concern not only to elite athletes and professionals but equines and canines as well as consumers at large. Our standard testing menu includes more than 483 drugs; 272 substances banned in sport and 211 additional prescription, over-the-counter and illicit drugs not banned in sport. Our equine & canine screen adds drugs banned by the Federation Equine International (FEI) and the Thoroughbred Owners and Breeders Association (TOBA).

We offer the maximum protection for banned substances in sport with our menu covering compounds that were responsible for more than

98% of positive drug tests in the World Anti-Doping Agency system over the last decade. We not only offer the most finely tuned protection for drugs in sport but are the first certification program to cover drugs relevant to animals and consumers.

Our **BSCG Certified Quality™** program is available to verify ingredient identity, label claims, and test for a full suite of contaminants. The **BSCG Certified GMP™** program provides onsite facility audits to ensure GMP compliance.

We also offer a full suite of à la carte **Good Manufacturing Practices (GMP)** testing services including nutritional label claims and ingredient verification, as well as analysis for heavy metals, pesticides, solvents, and microbiological agents.

Certification is available to supplement companies, manufacturing facilities and ingredient suppliers as well as sporting groups, leagues, teams and athletes through our **Athlete Assurance Program**. BSCG is trusted by top athletes, trainers, sport governing bodies, teams, consumers and brands to ensure dietary supplements are free of drugs and other contaminants that can lead to health issues or positive drug tests.





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MAJOR CONTRIBUTIONS TO SUPPLEMENT SAFETY AND SPORT DRUG TESTING BY BSCG AND ITS LEADERS //

- First spotlighted the issue of trace contamination of over-the-counter dietary supplements in a seminal publication in the *Journal of the American Medical Association (JAMA)* November 22 and 29, 2000.
- Worked with the *Washington Post* in 2005 to unmask the designer steroid Methasterone (Superdrol) being sold in over-the-counter supplements, leading to a focus on prohormone supplements and the 2009 Food and Drug Administration (FDA) raid on Bodybuilding.com, the largest enforcement action to date in the supplement industry.
- First to call attention to the use of the dangerous designer stimulant Methylhexanamine as an ingredient in dietary supplements, in a *Washington Post* article in 2006, leading to the ultimate removal of this compound from supplement products.
- Provided analytical and legal consulting as part of government action to identify and expose designer drugs used in dietary supplements like the aromatase inhibitor 6-OXO and the designer steroid 'Tren.'
- Led efforts to identify and eliminate the sale of Drug Enforcement Administration (DEA) Class III Controlled Substances in online outlets including Amazon.com and other distributors.
- Dr. Catlin developed the first sport drug-testing laboratory in the United States in 1982, and for 25 years built and managed drug-testing programs for the International Olympic Committee (IOC), the U.S. Olympic Committee (USOC), U.S. Anti-Doping Agency (USADA), MLB, NFL, NCAA, the U.S. military and performed testing for several Olympic Games and the FIFA World Cup.
- Developed several key analytical testing methods used in sports doping control including the method that exposed the first designer steroid (Norbolethone), the designer steroids Tetrahydrogestrinone (THG) and Madol (which fueled BALCO and later appeared in dietary supplements), the Carbon Isotope Ratio (CIR) technique used to detect synthetic testosterone, a method to detect the blood booster Darbepoietin, and a method to detect Erythropoietic stimulating agents in equines.
- Contributed more than 100 publications, book chapters and other scientific and peer-reviewed articles to the fields of analytical chemistry, supplement contamination and safety, sports doping control, mass spectrometry, toxicology and other related subjects.
- The foundation of BSCG and its supplement certification program in 2004 helped create the nascent industry of dietary supplement certification for drugs banned in sport.





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BSCG BACKGROUND AND HISTORY //

For more than three decades, the Catlin heritage of excellence in analytical testing has been a driving force within international sport drug testing. Often described as a father of drug testing in sport, Dr. Don Catlin founded the first anti-doping lab in the United States in 1982 and established testing methods and approaches that remain the Olympic standard today. The Catlin team has provided testing services to the International Olympic Committee (IOC), World Anti-Doping Agency (WADA), U.S. Olympic Committee (USOC), U.S. Anti-Doping Agency (USADA), MLB, NFL, NCAA, the U.S. military, several Olympic Games and the FIFA World Cup.

Drawing the line between drugs and dietary supplements became increasingly complex in the 1990s as substances like Ephedrine, Androstenedione and other new designer drugs became popular ingredients in dietary supplement products. Sport authorities and regulators like the U.S. Food and Drug Administration (FDA) struggled with positive drug tests and growing health concerns.

Dr. Catlin and his team were at the forefront of the efforts to ensure supplement safety for athletes and consumers. In a seminal article published in 2000 in the *Journal of the American Medical Association (JAMA)*, they were the first to highlight the concern that legal supplements

could be contaminated with illegal drugs. Catlin's group was also the first to identify and expose infamous new designer drugs including 6-OXO, Madol, Methasterone, Methylhexanamine and Tren that were masquerading as 'legal' supplements, and worked alongside the FDA, Drug Enforcement Administration (DEA) and media to combat these problematic substances.

Unfortunately, the regulations outlined in Federal Food, Drug, and Cosmetic Act; Dietary Supplement Health and Education Act of 1994; and the FDA's 21 C.F.R. 111 - Good Manufacturing Practices (GMP) for Dietary Supplements have not been adequately designed or enforced to prevent dangerous drugs from adulterating dietary supplements.

In 2004, BSCG began offering its supplement certification program as an effective remedy to supplement quality control and safety concerns enabling manufacturers to establish their brands and products as safe, reputable and drug free as well as providing athletes and consumers with trusted supplement options.





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UNPARALLELED SPORTS DRUG TESTING AND TOXICOLOGY EXPERIENCE //

Banned Substances Control Group (BSCG) brings the Olympic standard of analytical testing to dietary supplement certification. Our science-first approach is driven by an unparalleled 34 years of history dealing with drug testing in sport and associated toxicology concerns.

The advanced techniques we developed to test athletes for traces of prohibited drugs were carefully re-engineered to ensure dietary supplements are free of drugs and contaminants.

A PEDIGREE LIKE NO OTHER //

In 1982, Don Catlin, M.D., built the first drug-testing laboratory in the United States and the third laboratory of its kind in the world. At the time, laboratories were governed by the International Olympic Committee (IOC) as the World Anti-Doping Agency (WADA) had yet to be formed.

Dr. Catlin continues to be one of the longest tenured members of the IOC Medical Commission. During his tenure, the Commission and other sports drug-testing authorities wanted to pursue a worldwide independent approach to anti-doping. Dr. Catlin and other leaders worked together to formulate the concept of the WADA, which was founded in 1999.

After the development of WADA, Dr. Catlin went on to assist in the development of laboratory standards and pushed for WADA to adopt the principles of the International Organization for Standardization (ISO) 17025 for accreditation requirements. Dr. Catlin's UCLA Olympic Analytical Laboratory was one of the first labs to earn WADA accreditation.

Dr. Catlin also has long been a leading figure in sports doping control in the United States. When drug testing was in its infancy he worked to establish a leadership committee to help oversee the nascent drug-testing program at the U.S. Olympic Committee (USOC) and was instrumental in dealing with a number of early challenges. Several decades later he helped lead the effort to create an independent drug testing agency resulting in the formation of the U.S. Anti-Doping Agency (USADA) in 2000.

In professional and collegiate sport, Catlin and colleagues helped develop and create world-class drug-testing programs for the NFL, MLB, NCAA and others. His laboratory also served the U.S. military drug-testing needs.





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BSCG CERTIFIED DRUG FREE® THE DETAILS AND PROCESS //



BSCG Certified Drug Free® offers the gold standard when it comes to certification and testing for banned substances and illicit drugs in dietary supplements, natural products and other related items. Our certification and testing can be applied at any level of the industry including finished products, raw materials / ingredients, and manufacturing facilities. The BSCG Certified Drug Free® program protects against the presence of banned substances in sport; like those on the World Anti-Doping Agency (WADA) Prohibited List, as well as other prescription, over-the-counter, and illicit drugs not banned in sport. The BSCG Certified Drug Free® program offers security to athletes and professionals across the spectrum of WADA, NFL, MLB, NHL, NBA, WNBA, PGA, LPGA, MLS, ATP, WTA, FIFA, FINA, AFL, NRL, NASCAR, UFC, CrossFit, NCAA, military, law enforcement, and other drug-testing programs.

BSCG Certified Drug Free® certification program offers the maximum drug-testing and

toxicology protection to athletes and other elite professionals like police, fire, military, and others who want to ensure their supplements are free of drugs that are prohibited in sport, as well as other prescription, OTC or illicit drugs. Finished products are tested for our full menu of 483+ drugs (272+ drugs banned in sport and 211+ drugs not banned in sport). A 21 C.F.R. 111 Good Manufacturing Practices (GMP) quality control process review, ingredient and supplier review and a toxicology assessment are other key elements. Ongoing testing is required with occasional off-the-shelf random testing as well.

The BSCG Certified Drug Free® certification process summarized below generally describes how we certify dietary supplements and natural products or their ingredients. Some differences exist in the certification process depending on whether we are certifying a finished product, a raw material / ingredient, or a manufacturing facility. Those differences can be found on our website at <http://www.bscg.org/certified-drug-free-certification-and-testing-for-banned-substances/>

The Process:

- Finished production lots are tested for more than 483 drugs (272+ banned in sport and 211+ prescription, over-the-counter, or illicit drugs).
- For finished products or raw materials, every finished batch, or one batch monthly, must be certified with random blind sampling of participating products.
- Certification of facilities includes random sampling of 15 finished products one to three times annually based on facility size.
- Testing of off-the-shelf finished products is conducted by BSCG at random.
- Toxicology review and ingredient evaluation.
- 21 C.F.R. 111 – GMP quality control process review.
- Certified products or ingredients listed by lot number on the Banned Substances Control Group (BSCG) Certified Drug Free® database.
- Participating clients showcased on BSCG Certified Drug Free® Clients page and marketing materials.
- BSCG Certified Drug Free® seal can be used in client marketing materials.
- BSCG Certified Drug Free® seal can be used on certified product or ingredient packages.



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BSCG CERTIFIED QUALITY[™]

THE DETAILS AND PROCESS //



The BSCG Certified Quality[™] certification program offers the gold standard when it comes to identity and label claim certification for dietary supplements, natural products, or related items. Our program can be used to verify identity, purity, strength or composition of products or ingredients. The program provides third-party verification of quality specifications to the dietary supplement and natural product industries and allows demonstration of that quality to consumers or clients through use of the BSCG Certified Quality[™] seal. The program can be applied to finished products, raw materials and ingredients, or manufacturing facilities. The BSCG Certified Quality[™] process for identity and label claim certification for dietary supplements and natural products is outlined below.

Identity and label claim certification for dietary supplements and natural products follows national or international testing standards using methods and guidelines outlined by AHPA, AOAC, NSF ANSI 173, ICH Q3D, Health Canada, USP, EPA, FDA and others. Test

methods may include LCMS, GCMS, ICMS, HPLC, TLC, DNA, microscopy, or other methods as deemed appropriate.

Reports are provided to client companies indicating the relevant unit of nutritional marker(s) with contaminant results shown in comparison to relevant national and international thresholds and guidelines. Certification indicates markers are within acceptable range, and contaminants meet or exceed national and/or international guidelines and/or relevant thresholds (state thresholds like Prop 65 will be shown but not considered from the standpoint of certification).

The BSCG Certified Quality[™] certification process summarized below generally describes how we certify dietary supplements and natural products or their ingredients. Some differences exist in the certification process depending on whether we are certifying a finished product, a raw material/ingredient, or a manufacturing facility. Those differences can be found on our website at <http://www.bscg.org/bscg-certified-quality-identity-and-label-claim-certification-for-dietary-supplements-and-natural-products/>

The Process:

- BSCG Certified Quality[™] certification verifies that supplement products, functional foods, natural products, or related items meet label claim specifications and are free of contaminants including heavy metals, pesticides, microbiological agents, and solvents according to industry standards.
- For finished products or ingredients, one lot must be tested annually for a minimum of one or two markers and our full suite of contaminants; heavy metals, pesticides, microbiological agents, class 1 solvents.
- Additional nutritional markers or lots can be added if desired.
- 21 C.F.R. 111 – GMP quality control process review of suppliers and qualification process, raw material testing and verification, and finished product testing and verification.
- Toxicology review and ingredient risk evaluation.
- Facility certification will involve testing of 4 finished products and 2 raw materials one to three times per year depending on facility size.
- Raw material/ingredient list and associated risk evaluation included in facility certification
- Certified lots listed on BSCG Certified Quality[™] Clients page and marketing materials.
- BSCG Certified Quality[™] seal can be used on packaging and marketing materials.



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BSCG CERTIFIED GMP™ THE DETAILS AND PROCESS //



The BSCG Certified GMP™ certification program offers the gold standard in GMP certification, compliance and auditing for 21 C.F.R. 111 – Current Good Manufacturing Practices (GMP). For finished product or raw material/ingredient certification, we audit the facilities involved in the production of the product or ingredient to verify GMP compliance in order for the product or ingredient provider to carry the BSCG Certified GMP™ seal. In the case of manufacturing facilities, the facility is audited for GMP compliance and, if successful, is able to use the BSCG Certified GMP™ seal to showcase GMP compliance. The GMP certification will be valid for two years.

Program participation requires each manufacturing or holding facility to be evaluated for GMP compliance. The evaluation includes a third-party onsite audit conducted every two years. Upon completion of the GMP audit the participating company receives a comprehensive

review from BSCG of all key audit criteria with recommendations for corrective actions to be in compliance with 21 CFR 111 GMP. Once the participating company notifies BSCG that solutions are in place for any corrective actions noted, a follow-up evaluation will be scheduled by phone or video conference to review any deficiencies and evaluate the corrective actions taken. Certification is issued once compliance is verified.

The BSCG Certified GMP™ certification process summarized below generally describes how we certify dietary supplements, natural products, or their ingredients. Some differences exist in the certification process for GMP depending on whether we are certifying a finished product, a raw material / ingredient, or a manufacturing facility. Those differences can be found on our website at <http://www.bscg.org/bscg-certified-gmp-certification-compliance-and-auditing/>

The Process:

- Onsite 21 C.F.R. 111 – GMP audit conducted every two years at the facility(s) that manufactures the finished dietary supplement, natural product, or related item.
- For finished product or raw material / ingredient certification, all facilities must be audited in order for the finished product or raw material provider to carry the BSCG seal.
- Final Report or Interim Report and Corrective Action Review issued after audit.
- Any observations will be broken down into critical, major, minor, and recommendations.
- Once all critical and major observations are resolved a Final Report will be provided and the client will be issued a BSCG Certified GMP™ certificate good for two years for the facility audited.
- Participating finished product, raw material / ingredient, or manufacturer is listed on BSCG Certified GMP™ Clients page as well as marketing materials (once all facilities involved in production are audited).
- Onsite audits are billed on an hourly basis based on the actual time spent auditing and preparing the review and reports.
- Client is responsible for travel expenses related to the audit including economy class airfare, rental car, hotel, meals, taxes, tolls, etc.
- BSCG Certified GMP™ seal can be used in marketing materials or on packaging if relevant.
- Additional assistance with GMP compliance training or procedure development is available.



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BSCG ATHLETE ASSURANCE PROGRAM

SUPPLEMENT TESTING FOR ATHLETES, TEAMS OR LEAGUES //

BSCG provides supplement testing for athletes, teams, or leagues through our Athlete Assurance Program. Individual athletes, teams, or leagues often use a multitude of dietary supplement products and ensuring they are free of banned substances in sport is vital. If the supplement products they want to use have not been certified by a third-party supplement certification program like BSCG Certified Drug Free®, the Athlete Assurance Program provides customized supplement testing for athletes, teams, or leagues.

Athletes must be extremely cautious about the supplements they ingest as many athletes have tested positive after using a supplement that contained a drug banned in sport. Supplement products may contain substances on the WADA Prohibited List that appear on the label with names that cannot be associated with drugs on the WADA Prohibited List. Other times, a banned substance in sport may appear as a

contaminant in a supplement inadvertently due to a raw material issue or manufacturing cross-contamination.

The Athlete Assurance Program provides the same gold standard supplement testing for athletes, teams, or leagues that we offer for supplement products, ingredients, or manufacturing facilities through our Certified Drug Free® certification program. The Athlete Assurance Program protects against the presence of prohibited substances across the spectrum of WADA, NFL, MLB, NHL, NBA, WNBA, PGA, LPGA, MLS, ATP, WTA, FIFA, FINA, AFL, NRL, NASCAR, UFC, CrossFit, NCAA, military, law enforcement, and other drug-testing programs. The program works by testing representative samples from batches of supplement products prior to use. The dietary supplement testing for athletes, teams, or leagues offered through our Athlete Assurance Program will keep you in the clear!

Program Details:

- Dietary supplement testing for athletes, teams, or leagues that want to ensure their custom supplement regimens are Certified Drug Free®.
- Clients send representative samples of their supplement batches for testing prior to use.
- Samples of the product(s) are tested for more than 483 drugs (272+ banned in sport and 211+ prescription, over-the-counter, and illicit drugs not banned in sport).
- If desired, additional testing for label claims, heavy metals, pesticides, solvents, and microbiological agents can be added.
- Participating league, team or athlete listed on BSCG Certified Drug Free® Clients page and marketing materials.





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OTHER TESTING SERVICES //

The BSCG Certification programs offer banned substance security, verification of ingredients or product quality, and GMP compliance. We also offer additional testing services à la carte according to client needs. Please contact us for customized testing and pricing.

Ingredient Verification / Quantification:

- BSCG Dietary Supplement Testing Services provides verification and quantification of most ingredients by themselves or in finished products. We evaluate them based on available monographs and/or analysis by High Performance Liquid Chromatography (HPLC), Liquid Chromatography-Mass Spectrometry (LCMS), microscopy and other appropriate methods.

Heavy Metals and Trace Elements:

- We offer a standard heavy metal screen for arsenic, cadmium, chromium, lead and mercury using Inductively Coupled Plasma Mass Spectrometry (ICP-MS). We use the lower of International Conference for Harmonization (ICH) or American National Standards Institute (ANSI) 173 thresholds.
- We can also analyze for an array of other nutritional elements including copper, aluminum, nickel, iron, selenium and more.

Microbiological Agents:

- We provide testing for standard microbiological agents including: plate count, yeast and mold, coliform, e. coli, staphylococcus aurea, salmonella. Testing meets or exceeds the requirements of United States Pharmacopeial Convention (USP) and, ANSI 173, American Herbal Products Association (AHPA) or other industry guidelines as appropriate.

Pesticide Residues:

- Testing meets or exceeds the standards in the U.S. Food and Drug Administration (FDA) Pesticide Analytical Manual, USP, ANSI 173, AHPA or other industry guidelines as appropriate.

Solvents:

- We can test for Class I, II and III solvents based on need. Our primary panel focuses on Class I solvents with the highest level of toxicity (benzene; carbon tetrachloride; 1,2-dichloroethane; 1,1-dichloroethene; and 1,1,1-trichloroethane) in accordance with USP.

Aflatoxins:

- Total aflatoxins (B1 + B2 + G1 + G2): 20 ppb; Aflatoxin B1: 5 ppb.

Vitamin Analysis:

- Vitamin A, Vitamin B6, Vitamin B12, Vitamin C and more.

Probiotics:

- Verification of probiotic types and amounts.



BANNED SUBSTANCES CONTROL GROUP

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BSCG CERTIFIED QUALITY[™]
BSCG CERTIFIED GMP[™]

11301 W. Olympic Blvd
Suite 685
Los Angeles, CA 90064
(800) 920-6605
www.bscg.org

THE CATLIN CONSORTIUM //

In the world of sports, the name Catlin has long been regarded as the gold standard in analytical testing, research and consulting related to banned substances. Today the Catlin team remains dedicated to that core focus but has also adapted its unique expertise to provide quality services in the fields of supplement safety, health and fitness and general toxicology.

The Catlin Consortium is a well-regarded group of organizations dedicated to ensuring the safety of dietary supplements and the pursuit of clean sport.

We work to establish new drug-testing paradigms, establish clean environments for athletes, and foster cultural change focused on clean sport.

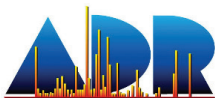
Founded by longtime anti-doping pioneer Don Catlin, M.D., and his son Oliver Catlin and colleagues, the Catlin Consortium is comprised of three organizations: Anti-Doping Sciences Institute (ADSI), Banned Substances Control Group (BSCG) and the non-profit 501(c)(3) public charity Anti-Doping Research (ADR) and its Support Clean Sport (SCS) initiative.



Banned Substances Control Group (BSCG) offers industry-leading certification programs and testing services to product manufacturers, retailers, raw material suppliers, as well as athletes, teams, or leagues. BSCG offers three certification programs; Certified Drug Free[®] (banned substance protection), Certified Quality[™] (quality assurance and contaminant testing), and Certified GMP[™] (GMP audits and compliance). Consumers, clients, and manufacturers can rest assured that certified products or ingredients contain no banned substances, meet quality specifications, or comply with GMP minimizing safety concerns, and drug-testing risks associated with such products. www.bscg.org



Anti-Doping Sciences Institute (ADSI) is a leading provider of analytical testing and consulting services relating to the use of performance-enhancing drugs and to the toxicology of mass-market products. The company designs and conducts state-of-the-art drug testing programs, performs custom analytical projects and provides expert consulting in a wide range of fields. www.antidopingsciences.org



Anti-Doping Research, Inc. (ADR) is a nonprofit organization with a mission focusing on Research, Drug Testing Services, Education, Program Development and Collaboration. www.antidopingresearch.org



Support Clean Sport (SCS) is ADR's collaborative community-based initiative aimed at creating an environment where athletes, coaches, health and nutrition experts, drug testing professionals, valued sponsors and the public can come together to foster clean sport and a healthy competitive culture. www.supportcleansport.com



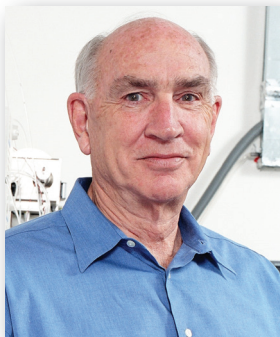


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BSCG LEADERSHIP UNRIVALED EXPERTISE //



Don Catlin, M.D.

BSCG Chief Science Officer and Co-founder

Widely considered a father of drug testing in sport, Don Catlin, M.D., has more than three decades of experience at the highest levels of sports anti-doping science. He founded the first sports anti-doping lab in the United States, the UCLA Olympic Analytical Laboratory, in 1982 and served as its director for 25 years, growing it into the world's largest and most respected sports drug-testing facility. Today, he is the Chief Science Officer of BSCG.



Oliver Catlin

BSCG President and Co-founder

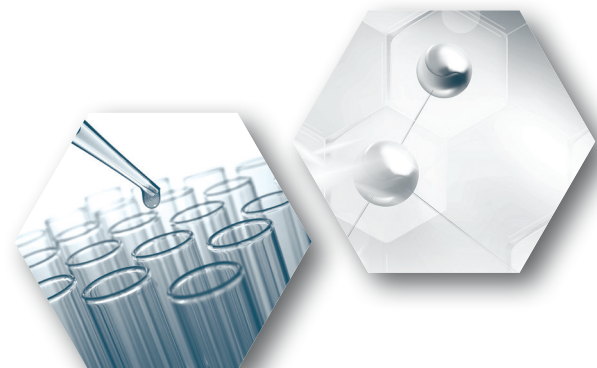
Oliver Catlin, son of renowned anti-doping guru Dr. Don Catlin, has been working in the arena of sports anti-doping science and dietary supplement research and testing for more than a decade. As President and co-founder of BSCG, Oliver has led the way in developing its Certified Drug Free®, Certified Quality™, and Certified GMP™ brands, expanding its sports testing menu with a focus on the World Anti-Doping Agency prohibited list and reported findings, and expanding its focus to include drugs not banned in sport, as well as testing for label claims and contaminants, and GMP compliance.



Ryan Connolly

BSCG Counsel and Co-founder

Ryan Connolly, an attorney who has long acted as a legal consultant, author and advisor in the dietary supplement and anti-doping industries, co-founded BSCG and serves as the company's general counsel. He is the principal of the Law Offices of Ryan Connolly where his work includes anti-doping law, supplement issues, commercial litigation, contract drafting and negotiation, as well as business formation and structuring.





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