Metagenics®
Genetic Potential Through Nutrition

TruQuality™

PURITY, POTENCY, TRANSPARENCY

There's no room for doubt when it comes to patient care. That's why, for over 35 years, it's been our commitment to deliver safe, reliable nutritional solutions for your patients From proper ingredient sourcing to advanced continuous testing, we've set the bar high for ourselves and for the industry—and we never cut corners. That's how you know we care.

As an advocate for high-quality standards, Metagenics is the only supplement brand in SA to give online visibility to quality testing information for every single formula we create.
That's transparency you can trust.

See for yourself.

Hemp Oil

Product Type	Liquid
Vegetarian	Yes
Gluten-Free	Yes
Non-GMO	Yes
Shelf Life	24 months
Production Date	Jul 31, 2019
Lot Code	HEM3002

Vegetarian:	All ingredients are non-animal derived
Gluten Free:	All ingredients meet FDA requirements for gluten-free labelling. We conduct ELISA testing which is twice the minuimum required - 10ppm
Non-GMO:	Non-GMO Certified
Shelf Life:	The quantity of each ingredient listed on the label is guaranteed through expiration

Purity	Tolerances	Pass/Fail	Result Details
Arsenic	10.8 Parts Per Million	PASS	

Batch Test Results

<0.012ppm

Test limit information:

Less than or equal to 10.8 Parts Per Million

Why are we testing this?

Highly synthesized dietary supplements can be expected to contain no arsenic. Examples of these would be vitamin C tablets made from ascorbic acid and standard B-complex formulations. In whole plant powders, the story is different. Arsenic, cadmium, lead, and mercury might be detected. It is a fact of life, and has been a fact of life since humans began eating the wild plants around them. The metals have always been with us and in us. Today, a dietary supplement cannot be manufactured from plant-based ingredients and not contain some level of heavy metals, including arsenic. So while the word arsenic may elicit fear, arsenic in dietary supplements (when used as directed) is not truly threatening. This test is performed using inductively coupled plasma mass spectrometry, which allows detection for nonorganic materials at part-per-billion concentrations.

Why do I care?

Testing for arsenic ensures products do not contain more than the established acceptable level of arsenic. Long-term, excessive exposure to arsenic has known health risks.

Cadmium	4.43 Parts Per Million	PASS

Batch Test Results

<0.024ppm

Test limit information:

Less than or equal to 4.43 Parts Per Million

Why are we testing this?

In whole plant powders and other natural ingredients, arsenic, cadmium, lead, and mercury might be detected. It is a fact of life, and has been a fact of life since humans began eating the wild plants around them. The metals are a natural part of the earth's crust and can be found in most soils around the world. Today, it is a well-known fact that it is highly unlikely for plant-based ingredients not to contain some level of heavy metals, including cadmium. The FDA has not set cadmium limits in foods or supplements; however, various health agencies have set exposure standards designed to protect consumers from excess cadmium exposure. This test is performed using inductively coupled plasma mass spectrometry, which allows detection for nonorganic materials at part-per-billion concentrations.

Why do I care?

Excess cadmium exposure can result in an accumulation of cadmium in the body, which in turn can have detrimental effects on the kidneys, lungs, bones, and possibly fetal development; it's also classified as a human carcinogen by various agencies. Metagenics tests all product for cadmium content and other key heavy metals to ensure that the presence is well within recognized safety exposure limits.

Purity	Tolerances	Pass/Fail	Result Details
Gluten Status	Complies	PASS	

Batch Test Results

<5 ppm

Test limit information:

Gluten Free < 10 ppm

Why are we testing this?

The FDA used an analytical methods-based approach to define the term gluten-free and adopted <20 ppm gluten as one the criteria for a food labeled gluten-free because that low level is tolerated by those with celiac disease. Metagenics products are tested via ELISA technology to ensure levels below <10 ppm.

Why do I care?

In gluten-sensitive individuals, gluten reactions can lead to a lengthy period of nagging symptoms that may reduce quality of life. Particularly for those with celiac disease, it is imperative that gluten status be determined accurately.

Lead	.54 Parts Per Million	PASS	

Batch Test Results

<0.024ppm

Test limit information:

Less than or equal to .54 Parts Per Million

Why are we testing this?

Metagenics tests for the presence of lead and other heavy metals. In whole plant powders and other natural ingredients, arsenic, cadmium, lead, and mercury might be detected. The metals are a natural part of the earth's crust and can be found in most soils around the world. Today, it is a well-known fact that it is highly unlikely for plant-based ingredients to not contain some level of "heavy" metals, including lead. This test is performed using inductively coupled plasma mass spectrometry which allows detection for non-organic materials at part per billion concentrations.

Why do I care?

Excess lead exposure can lead to lead toxicity, which can affect every organ in the human body and cause brain damage, kidney disease, blood disorders, heart disease, and reproductive disease.

Mercury	2.7 Parts Per Million	PASS	

Batch Test Results

<0.024ppm

Test limit information:

Less than or equal to 2.7 Parts Per Million

Why are we testing this?

Metagenics tests for the presence of mercury and other heavy metals. In whole plant powders and other natural ingredients, arsenic, cadmium, lead, and mercury might be detected. The metals are a natural part of the earth's crust and can be found in most soils around the world. Today, it is a well-known fact that it is highly unlikely for plant-based ingredients not to contain some level of heavy metals, including mercury. This test is performed using inductively coupled plasma mass spectrometry, which allows detection for nonorganic materials at part-per-billion concentrations.

Why do I care?

One of the World Health Organization's top 10 chemicals of major public health concern, mercury can cause damage to the nervous system, digestive and immune systems, lungs, kidneys, skin, and eyes. Testing to ensure mercury levels are below the recommended rate ensures consumers are protected from the toxic risks of mercury.

Purity	Tolerances	Pass/Fail	Result Details
Peroxide Value	10 milliequivalents per kilogram	PASS	

Batch Test Results

3.5 mEq/kg

Test limit information:

Less than or equal to 10 milliequivalents per kilogram

Why are we testing this?

This test is often paired with anisidine value, as aldehydes are the second indicator that a lipid is oxidizing and peroxides are the first indicator.

Why do I care?

This test for rancidity in fats and oils is a metric of quality and helps determine shelf life.

Pesticides	Complies	PASS	

Batch Test Results

USP/EPA Limits (Glyophosate <0.0075ppm)

Test limit information:

USP Limits

Why are we testing this?

Since many of the products produced by Metagenics contain materials derived from natural botanical sources, implementing tests that are capable of detecting a large array of pesticide residues is important. Metagenics utilizes various screening methods including both gas and liquid chromatography to ensure our starting materials and inturn our products meet EPA and intenational guidelines.

Why do I care?

Under the Food Quality Protection Act (FQPA), EPA must ensure that all pesticides used on food in the United States meet FQPA's stringent safety standard. FQPA requires an explicit determination that a pesticide's use on food is safe for children and includes an additional safety factor—tenfold unless data show a different factor to be protective—to account for uncertainty in data relative to children.

Micro	Tolerances	Pass/Fail	Result Details
Aerobic Plate Count	Complies	PASS	

Batch Test Results

<100 CFU/g

Test limit information:

NMT 10,000 CFU/g

Why are we testing this?

Aerobic plate count is the enumeration of aerobic, mesophilic organisms that grow in aerobic conditions under moderate temperatures of 20–45 °C. This test is performed using the United States Pharmacopeia method, endorsed by the FDA, and is a quantitative test that results in a count of colony-forming units per gram. It is also be known as total plate count.

Why do I care?

Aerobic plate count (APC) indicates the level of microorganism in a product. Obtaining an estimate of the number of bacteria in a product can also assist in evaluating the sanitary practices during manufacturing and processing, as well as the quality of the starting materials.

E. coli	Complies	PASS	

Batch Test Results

Pass

Test limit information:

Negative/10g

Why are we testing this?

This test is performed using the United States Pharmacopeia method, recognized by the FDA, and is a very sensitive test that recognizes presence through a POSITIVE or NEGATIVE result.

Why do I care?

Testing for E. coli contamination confirms this bacteria, which can cause acute intestinal illness in healthy individuals and more serious health risks in young, elderly, or immunocompromised individuals, is not present.

Enterobacteria	Complies	PASS	

Batch Test Results

<10 CFU/g

Test limit information:

NMT 100 CFU/g

Why are we testing this?

This test is performed using the United States Pharmacopeia method, recognized by the FDA, and is a quantitative test that results in an estimated count of the most probable number per gram.

Why do I care?

The family Enterobacteriaceae encompass approximately 20 genera including multiple food pathogens. This result is considered a useful indicator of hygiene and sanitation and serves as a general screening process for recognizing the presence of pathogenic bacteria at levels that may be detrimental to individuals with immunological sensitivities.

Micro	Tolerances	Pass/Fail	Result Details
S. aureus	Negative	PASS	

Batch Test Results

Pass

Test limit information:

Negative/10g

Why are we testing this?

This test is performed using the United States Pharmacopeia method, recognized by the FDA, and is a very sensitive test that recognizes presence through a positive or negative result.

Why do I care?

Staphylococcus aureus is a common bacteria that frequently exists on the skin or in the nose. S. aureus can cause a range of illnesses, from minor skin infections to life-threatening diseases. The recent development of antibiotic-resistant strains like MRSA make testing for staph an absolute imperative.

Salmonella	Complies	PASS	

Batch Test Results

Pass

Test limit information:

Negative/10g

Why are we testing this?

This test is performed using the United States Pharmacopeia method, recognized by the FDA, and is a very sensitive test that results in only a positive or negative result.

Why do I care?

Salmonella spp. can cause serious and sometimes fatal infections in young children, frail or elderly people, and others with weakened immune systems. Healthy persons infected with Salmonella spp. often experience fever, diarrhea (which may be bloody), nausea, vomiting, and abdominal pain. Due to the risks, testing to ensure a product is free from Salmonella spp. is critical to a comprehensive quality and safety program.

Yeast and Mold	Complies	PASS	

Batch Test Results

10 CFU/g

Test limit information:

NMT 100 CFU/g

Why are we testing this?

This test follows the same procedure as the Aerobic Plate Count (APC) test, using a different medium to carry the specimen. The medium is determined by the viscosity of the test sample and depends on if the specimen is a solid or liquid.

Why do I care?

Ruling out the presence of yeast and mold rules out the possibility of life-threatening allergic reactions such as anaphylactic shock. Amounts small enough not to cause illness are equally serious as consumption over time can result in cancer, damage to genetic material and damage to the immune system. Testing for yeast and mold in the production atmosphere is equally important, to ensure it never gets into the product.

Potency	Tolerances	Pass/Fail	Result Details
Organic Broad-Spectrum Hemp	Complies	PASS	

Batch Test Results

75 mg/serv

Test limit information:

75mg Organic Broad-Spectrum Hemp (Aerial Part) Extract

Phytocannabinoids (Broad Spectrum)	Complies	PASS*	

Batch Test Results

16.2 mg/serv (CBD 15.3 mg/serv)

Test limit information:

Target (Claim + Overage): 15.6 mg/serving Range: 15 - 18 mg/serving Based on sum of CBD, CBG, and CBDa