

Understanding CanXida RMV Allergen Testing Certificate of Analysis (COA)

CanXida
<https://www.canxida.com/>

1. Introduction

Food products contain ingredients that may elicit a mild-to-severe allergic reaction in some people. These ingredients are edible and nutritious but in hypersensitive populations, they trigger an allergic response. For this reason, they are called food allergens.

Food products always mention the ingredients on the label. Reading product labels is good, but it is mandatory for those dealing with food allergies. Otherwise, allergens can trigger a range of reactions from mild discomfort such as rash, vomiting & diarrhea to serious health complications such as difficulty breathing and low blood pressure.

Food allergies are common and affect nearly 11% of Americans¹. Any food can cause food allergy, but the following eight foods, commonly known as Big Eight, cause most food allergies. These are:

- Cow milk
- Egg
- Soy
- Fish, i.e., salmon, mackerel, trout, cod, tuna
- Shell Fish
- Tree nuts
- Peanuts
- Wheat

At CanXida, your health is above anything else, so we conducted detailed allergen testing on our CanXida Remove Supplement. Our supplement is non-allergenic as it is practically free from all allergens.

The Certificate of Analysis (COA), which we will break down & simplify for you, shows that we tested the supplement, i.e., one tablet at a time, for each allergen mentioned above and found negligible amounts of the allergens.

This means that CanXida Remove is an excellent supplement for everyone, especially those with food allergies.

Let us share our allergen testing process and results with you.

2. What is Allergen Testing?

Allergen testing is a process that determines whether or not specific allergens are present in that supplement.

Allergen testing has assumed paramount importance in modern-day supplement development.

An individual may be allergic to a particular substance; unknowingly consuming these allergens can lead to severe reactions.

So, at CanXida, we do allergen testing just for you!

3. Understanding Common Allergens

Common allergens include fish, eggs, soy, protein, and milk.

- **Fish**
In the case of fish, specific protein residues can trigger allergic reactions such as hives, itching or GI discomfort or even anaphylaxis.
- **Eggs**
Eggs contain proteins that aren't denatured by cooking and can lead to hives, eczema or diarrhea.
- **Milk**
Whey and casein proteins found in milk can also lead to similar reactions.
- **Peanuts & Soy**
Peanuts and soy, too, contain allergic proteins that can lead to allergic reactions of a mild to intense nature.
- **Gluten**
Gluten, a protein found in wheat/barley/rye, can also trigger immune responses in susceptible individuals, thereby damaging the lining of the small intestine.

<https://pubmed.ncbi.nlm.nih.gov/30646188/>

4. The Allergen Testing Process for CanXida Remove

At CanXida, we strive our best to ensure that your experience with our products is one hundred percent allergen-free. And we do it in a most modern way too! Rather than relying on the usual ELISA and PCR techniques, we opted for the LC/MS technique.

So, how does it work? Well, say you have a complex puzzle with lots of tiny pieces. You want to determine what these pieces are and how they fit together. LC-MS/MS is like a super-smart detective who solves this puzzle for you.

LC stands for Liquid Chromatography. Think of it as a filter separating all the tiny puzzle pieces based on size and shape. It's like sorting out different types of candies by putting them through a sieve with small holes.



Image Source: Wikimedia Common, "LC-MS," 2022. Accessed via https://commons.wikimedia.org/wiki/File:LC_MS_pic.jpg

MS stands for Mass Spectrometry. It's like a machine that weighs the puzzle pieces. Each type of puzzle piece has a unique weight. So, it helps us figure out what the pieces are made of.

The puzzle pieces are like ingredients in a recipe. LC-MS/MS detective breaks down the recipe and tells us exactly what ingredients are there and how much of each ingredient is present. It's also super precise, like it can tell you how many chips and marshmallows are in your cookie dough.

In allergen testing, LC/MS technique measures the number of allergens in PPM or parts per million.

PPM stands for "parts per million." It's a unit of measurement that describes the concentration of one substance (the allergen) within another substance (in this case, the dietary supplement). In perspective, 1 PPM signifies 1 part of the allergen in every 1 million parts of the other substance. It's a way of quantifying minimal concentrations. This unit is commonly used in allergen testing because allergenic substances can cause reactions even at deficient levels.

$$1 \text{ PPM} = 1/1000,000$$

$$= 0.0001\%$$



Image Source: The University of Manchester, "Mass Spectrometry," 2022. Accessed via <https://www.bmh.manchester.ac.uk/research/platforms/mass-spectrometry/>

Let us now interpret the results of the COA for you.

5. Interpreting the Results

People with food allergies are hypersensitive and can have adverse reactions to even small amounts of allergenic food. Nevertheless, specific lower amounts of the allergen, called threshold doses, do not elicit adverse reactions in such people.

Below are the threshold doses of the food allergens:

As you can see below, our tests indicate that CanXida Remove contains small, almost negligible amounts of allergens. This makes the supplement safe for all individuals, particularly those with food hypersensitivities.

- Fish allergens were less than 4.00 ppm
- Egg allergens less than 2.5 ppm
- Gluten allergens less than 5 ppm
- Milk allergens less than 2.5 ppm
- Peanut allergens less than 1 ppm and
- Soy allergens less than 3.4 ppm.

| Allergen | Threshold Dose |
|-----------|----------------|
| Eggs | 10 PPM |
| Peanut | 24 PPM |
| Milk | 30 PPM |
| Oil (soy) | 5 PPM |
| Soy | 10 |
| Gluten | 20 |
| Fish | 4-5 |

Threshold doses of food allergens

| Analysis | Result |
|--|----------|
| YA017 - Fish Allergen ELISA (product) | |
| Fish Allergen | <4.0 ppm |
| Egg Allergen | |
| Egg Allergen (Product) | <2.5 ppm |
| Gluten Allergen | |
| Gluten Allergen (Product) | <5.0 ppm |
| Milk Allergen | |
| Total Milk Allergen (Product) | <2.5 ppm |
| Peanut Allergen | |
| Peanut Allergen (Product) | <1.0 ppm |
| Soy Allergen | |
| Soy Allergen (Product) | 3.4 ppm |

Test Results of CanXida Remove

In the context of a report, if the detected allergen levels are below the testing limit (e.g., less than 20 PPM for gluten), it indicates that the allergen concentration in the product is very low, potentially negligible or nonexistent.

Also, the COA is so transparent it even shares the tests and credentials of the laboratory (testing location) for transparency.

6. What This Means for Consumers

The fact that all allergens are found to be less than 5 ppm indicates that the CanXida RMV is safe for all people. It does not and will not cause an allergic reaction in individuals susceptible to these allergens!

But there is still something that you should NEVER ignore. And that is consulting your healthcare specialists before starting any new supplement regimen!

7. Conclusion

The CanXida RMV can clean your gut of nearly all bacteria, parasites, and yeast. The formula consists of twelve ingredients and offers anti-fungal, anti-bacterial & anti-parasite properties in their most potent form! Thirty years of research has now been transformed into a product, a product that is devoid of any allergens! Let's give it a shot for a better gut to have better guts!

| Method References | Testing Location |
|--|--|
| Egg Allergen (EGG_ALG) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |
| Gluten Allergen (GLUTENRIDA) AOAC 2012.01 (19th Ed) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |
| Milk Allergen (MILK_ALG) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |
| Peanut Allergen (PEANUT_ALG) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |
| Soy Allergen (SOY_ALG) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |
| YA017 - Fish Allergen ELISA (product) (ICO_EML_BC) | Eurofins Microbiology Laboratories 55 Hamblin Ave. East Battle Creek, MI 49017 USA |

Testing location