

UNDERSTANDING THE CERTIFICATE OF ANALYSIS

WHAT IS A COA?

A certificate of analysis (COA) provides critical information to help your customers understand what a product contains and verifies that ingredients are compliant with regulations.

Each Zilis COA contains test results for:

- Heavy metals
- Residual solvents
- Pesticides, herbicides, and fungicides
- Microbiology
- Cannabinoids

We ensure our products are of the highest quality through a strict quality program, including mandatory testing of every batch.

WHAT ARE HEAVY METALS?

There are naturally occurring heavy metal elements that are commonly found in our environment. It is important these levels are tested to assure they are below allowable limits. They are:

- Lead
- Mercury
- Cadmium

These elements are naturally found in the soil, air, and water, and can be absorbed by plants. Testing ensures that our products are not only compliant but also safe for your customers!

WHAT ARE RESIDUAL SOLVENTS?

Solvents are very important for the creation of products and are often used at the beginning of the manufacturing process to create the active ingredients for ointments and other topical products. Residual solvent analysis determines whether solvents such as butane, propane, hexane, and acetone are present in harmful levels in products.

WHY IS IT IMPORTANT TO TEST FOR PESTICIDES, HERBICIDES, AND FUNGICIDES?

Our products are also analyzed for pesticides (insect-killers), herbicides (weed-killers), and fungicides (fungus-killers) to assure our products do not contain harmful levels of these ingredients. The levels of pesticides, herbicides, and fungicides are measured in both harvested hemp and in finished products.

WHY TEST THE MICROBIOLOGY OF EACH BATCH?

Bacteria, like Staphylococcus and Pseudomonas, are harmful bacteria that can contaminate products. Testing for these bacteria is crucial for the safety of products that are applied to the skin. A sample of each batch is subjected to multiple tests to assure the absence of microorganisms to guarantee the purity of our products.

