



## **What process does N2G use to determine product safety and the highest level of quality?**

N2G uses a 3-Phase Testing Protocol to ensure the safest and highest quality products are delivered to you

### **Phase 1: Pre-Production - Incoming Raw Material Testing**

**Identity:** To confirm the ID of a given raw material and the accuracy of the Certificate of Analysis (COA) we use FT-NIR (fourier transform near-infrared technology).

**Purity:** Vendor COA claims are checked for purity by HPLC, GC or ICP.

**Heavy Metals:** We test for arsenic, cadmium, lead and mercury. Heavy metals must be under the USP specified guidelines.

**Microbial:** We test for total plate count, total yeast and mold count and Coliform bacteria to make sure that the raw material complies with the USP, AHPA and FDA guidelines.

**Pathogens:** Raw materials are tested for E. coli, Salmonella, and Staphylococcus aureus pathogens (as needed).

**Drug Screen:** Raw materials are tested for banned steroidal substances (as needed)



## **Phase 2: Intra-Production Testing**

**Cleanliness:** We perform ATP swab tests prior to batch production and allergen swab tests as needed to ensure equipment is free of potential contamination or microbes.

**Identity Check:** We use FT-NIR to confirm the ID of a given in-process mix to ensure it contains the correct raw ingredients.

**Purity Check:** Purity is checked by using HPLC, GC, and/or ICP to ensure the in-process mix will create a final product that meets label claims.

## **Phase 3: Post-Production Testing**

**Identity Check:** We use FT-NIR to confirm the ID of a finished product.

**Purity (LABEL CLAIM):** We check the purity by HPLC, GC, and/or ICP if there is a label claim on the finished product COA.

**Microbial Check:** We test for total plate count, total yeast and mold count and Coliform bacteria to make sure that the finished product complies with specifications.

**Pathogens Check:** We test again for the following pathogens, E. coli, Salmonella, and Staphylococcus aureus (as needed).

## **What Does This All Mean?**

**100%** of all inbound raw material will be **FDA validated**

**100%** of all finished products will be **FDA validated**

**100%** of finished products will **always meet label claims**

Now that you truly understand what it takes to offer this level of quality, can you really afford to put your clients on any other products?