

Question & Answer on

CURCUMIN C3 COMPLEX®



SABINSA CORPORATION

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1. How do you test impurities such as pesticide in the product and how do you control the levels of impurities?

Every batch of Curcumin C3 Complex® undergoes pesticide testing as per the USP method for all pesticides listed in major pharmacopoeias. The analysis is carried out by GC MS/MS and LCMS/MS, instruments specifically installed for analyzing pesticide levels in natural extracts with the most advanced and precise technology. The pesticide analysis report is available for each batch and meets the most stringent quality control standards. The same stringent standards are applied for heavy metals testing, ensuring safe and acceptable levels throughout our process and for our final raw material as well. Our complete quality analysis of Curcumin C3 Complex® is carried out in our state-of-the-art in-house NABL certified labs.

2. Do you have any clinical studies on your curcumin brand published in peer-reviewed journals?

Key studies on curcumin's biological activities were carried out early on using Curcumin C3 Complex®, which shaped how future human clinical trials are done. Today Curcumin C3 Complex® has a rich library of clinical and functional studies, with 70 research papers published in peer reviewed journals, which include 26 clinical studies, making it the most clinically studied and scientifically validated curcumin brand in the world.

3. Do you have stability data that can be used for determining the shelf life of the product?

Stability of a product is important for determining the optimum conditions it may encounter during formulation or processing, which impacts label claims. In the very initial stages of developing Curcumin C3 Complex®, scientists

at Sabinsa found the importance of minor components of curcuminoids, namely demethoxy curcumin and bis demethoxy curcumin, in stabilizing and making it more soluble than curcumin alone. Curcumin C3 Complex® with 95 percent total curcuminoids is optimized to provide maximum bio-protection. Stability was determined under various conditions of pH, temperature and light. Room temperature stability is carried out at 25°C and 45 percent relative humidity while the accelerated stability is done at 50°C and 75 percent RH. We also test the ingredient photostability and pH stability of the product formulation to ensure that the proper pH conditions are met during formulation to help provide optimum shelf life and support accurate label claims.

4. Are there any excipients or additives in your product apart from the curcuminoids-enriched extract, and do they have proven safety profile?

Unlike some of the other extracts, there are no excipients, additives or preservatives in our Curcumin C3 Complex®.

5. How do you differentiate yourself from your competitors?

Sabinsa's Curcumin C3 Complex® is the most clinically studied curcumin brand in world and human safety of Curcumin C3 Complex® for long-term use is well documented. Both marketing companies and consumers can benefit from Curcumin C3 Complex®'s safe history of use and clinically validated science. Additionally, Sabinsa's cultivation efforts help not only source, but be the sustainable source for quality curcumin. Curcumin C3 Complex® is also the only curcumin brand in the market with FDA affirmed GRAS for application in food.

And of course behind every Sabinsa product is decades of intellectual property, stringent quality and documented safety.