

VITAMIN E

VITAMIN E ACETATE TESTING AT ACCUSCIENCE LABS

α-Tocopheryl acetate also known as a Vitamin E acetate is a fat-soluble compound that comes in the form of odorless, off-white crystals with a melting point of 82 ° F. It has the chemical formula $C_{31}H_{52}O_3$. It is a substance that experts classify as both a vitamin and an antioxidant. Vitamin E is just one of 13 different vitamins that are essential to human health. Antioxidants are also vital to our wellbeing as they help our bodies to combat the harmful effects of oxidative stress. Oxidative stress is a contributing factor in many chronic health conditions, including diabetes, Alzheimer's disease, and cancer. We come into contact with many different vitamin E sources daily. As well as being a component of many different foods, it is a common ingredient in skincare, haircare, and other personal care products. You can also find vitamin E in various brands of supplements.

Vitamin E Acetate is used as an additive or thickening agent in some vaping products. It is used as a diluent in vape juices. Manufacturers use it to dilute the active ingredients in the liquid, whether they be nicotine, THC, or CBD. Some other common diluents in vape juices include propylene glycol (PG), vegetable glycerin (VG), and medium-chain triglyceride oil (MCT). It is also added to supplements and skin creams. It does not seem to cause harm when swallowed or used topically in moderate amounts. But previous research suggests that inhaling vitamin E acetate might impair lung function. However, the Food and Drug Administration (FDA) and the Centers for Disease Control and Prevention (CDC) have linked vaping vitamin E with the dramatic increase in vape-related lung disease that caused in certain states throughout 2019.

Doctors have dubbed respiratory problems due to vaping as 'vaping-associated pulmonary injury' (VAPI) or 'e-cigarette or vaping product use-associated lung injury' (EVALI). At the time of writing, the condition has affected over 1000 Americans, with several cases resulting in death.

Instrumentation and Techniques

We perform our Vitamin E Acetate testing on state-of-the-art Agilent Technologies, High Performance Liquid Chromatography with Diode Array Detection. This allows us to run spectral analysis for confirmation of results.

What Sets AccuScience Apart?

Having the right equipment is critical, but it is only part of the equation, and the human element remains relevant and important. The AccuScience management team has more than 100 years of collective analytical testing experience, and we work in a testing facility set to the standards of ISO17025 for pharmaceutical and environmental laboratories. By strictly following these guidelines, we deliver the most accurate and legally defensible results in the industry.

Sample requirement: less than 5.0 gram of samples

CONTACT US

40 S. Dewey St.
St. Eustis, FL 32726
352.308.8020

facebook.com/accusciencelabs
support@accusciencelabs.com
accusciencelabs.com