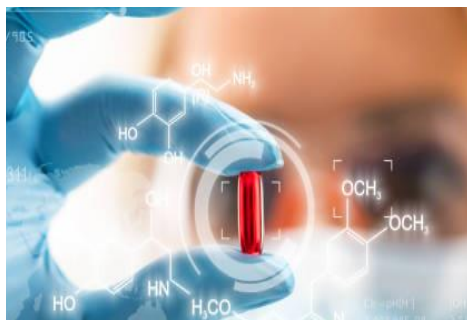


ETHYLENE OXIDE RESIDUAL TESTING

SAFEGUARD FOOD INDUSTRY PLAYERS FROM THE ETHYLENE OXIDE CONTAMINATION IN DOMESTIC AND FOREIGN MARKETS.

BUSINESS CHALLENGE

Many countries worldwide including European nations, Canada and the US have officially enforced Maximum residual limits (MRLs) for ethylene oxide in different food and agriculture commodity ranging from 0.02 to 0.1 mg/kg. However, from September 2020 to February 2021, there were more than 500 recalls of food products in the EU because of ETO contamination due to the contamination by ethylene oxide found to be above the EU MRLs. From these food scandals, food exporters compulsorily align their product quality with these regulations to minimize custom clearance constraints and import-export impediments



WHAT IS ETHYLENE OXIDE ?

Ethylene Oxide (ETO or EO) is a colorless, flammable, and toxic gaseous organic compound in C₂H₄O formula. Ethylene oxide is produced from a few natural sources like water - logged soil, manure, and sewage sludge, but emissions are expected to be negligible. Due to its privileges, Ethylene Oxide is used to sterilize food items, spices, medical and pharmaceutical products from the growth of bacteria and fungus and produce toxic substances like mycotoxins. However, the exposure to ETO exerts an adverse influence on health conditions, and the increased risk of cancers.

ETHYLENE OXIDE RESIDUAL TESTING

At BVAQ we can test for a wide range of ethylene oxide residues in fruits, vegetables and other foods to ensure that your products comply with the maximum limits of ethylene oxide residue set by the domestic market (Vietnam), and exporting markets such as: Europe, and The US

ETHYLENE OXIDE RESIDUAL TESTING

TESTING BENEFITS



Comply with food regulations from international and local perspectives.



Be proactive in purchasing suitable raw materials for your production plan and create great advantages over other rivals



Manage effectively maximum residue levels for ethylene oxide in food products



Reduce the risks of product recalls and open many opportunities to conquer the domestic market as well as exporting markets

WHY CHOOSE BVAQ TESTING SERVICES?

- BVAQ Vietnam team offers ethylene oxide testing services for dairy, food, beverage, seeds & nuts, confectionery, fruits & vegetables, meat & poultry, seafood, pet foods, and animal feed industries, soil, water.
- Our lab is equipped with State-of-the-art instrument LC-MS/MS to achieve the low limit of detection (LOD), and low limit of quantification (LOQ) as markets requirement.
- Standard methods and testing results are accredited ISO17025 meeting all current food regulations as well as other global requirements.
- Offer an accuracy testing process and shortest turnaround time to help reduce testing time to optimize time for raw material procurement or export goods.
- BVAQ Vietnam offers Customer support in comprehensive and structured ways. KAM/BD with solid support from the Customer Service team to cater to customer needs and expectations.
- Specialist Technical Support, BVAQ has a pool of experienced technical specialists to support customer needs in the testing scope
- One Quality Management System (QMS), lab information management system (LIM's)
- Offer ethylene oxide maximum residue limit testing.
- BVAQ is a global leader in testing, inspection and certification (TIC) and Asure Quality - a New Zealand's premier food assurance business.

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