

## IRRADIATION OF MEDICAL AND RECREATIONAL CANNABIS



### Bioburden reduction

The growing and distribution processes for medicinal and recreational cannabis can result in contamination of product through yeast, mold, bacteria, and other pathogens. At STERIS, we provide our Customers with contract gamma and electron beam irradiation services to significantly reduce bioburden of cannabis either as bulk material or in its finished packaging, adhering to Canadian regulatory standards.

Our irradiation facilities process cannabis and cannabis-containing products at low radiation doses to reduce microbial contamination (bioburden), with no adverse changes in the content of Tetrahydrocannabinol (THC), and Cannabidiol (CBD)<sup>1</sup>. Our bioburden reduction services of cannabis include:

- Microbial reduction
- Process of raw materials, finished goods, and associated packaging materials
- Economical alternative to growing in a cleanroom environment

### International and regulatory standards

Our STERIS Whitby, Ontario, Canada facility maintains an active ISO 13485 certification to provide microbial reduction services.

We are a licensed Sterile Fabricator with a Health Canada Drug Establishment License (DEL) and are licensed by the Natural and Non-Prescription Health Products Directorate for sterilization activities, under a Health Canada Natural Health Product Site License (SL).

### Why STERIS

In addition to adhering to Canadian regulatory standards, STERIS provides Customers with:

- Proven technology for decontamination
- Technical support
- Secure, controlled facility: product remains in Customer possession during the entire process
- Established/experienced service provider
- Supply chain support
- Same day expedited processing

### References

1. See *Frontiers in Pharmacology* "Evaluating the Effects of Gamma-Irradiation for Decontamination of Medical Cannabis" for more information.

## FOR MORE INFORMATION

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