

Safety & Quality in Manufacturing Defense Sprays

By Mace Personal Defense, Inc.



The Purpose Of This White Paper

The goal of all Mace Personal Defense, Inc. white papers is to provide our customers and prospects a better knowledge base to make an informed decision when choosing self defense products.

Overview

The level of safety and quality built into a defense spray product is only as high as the standards set and adhered to by the manufacturer during the production process.

Safety & Quality

Formulations

Our in-house chemist is charged with developing and testing defense spray formulations to meet every market need. Our extensive product line contains traditional tear gas sprays, blended sprays and hot pepper sprays in a variety of formulations and spray patterns.

Independent Testing

Our Mace® brand defense spray products have undergone independent laboratory testing to ensure safety. In addition, our products are field-tested and are used extensively in law enforcement and consumer markets, alike.

Controlled Filling

Our Mace® brand defense sprays are manufactured on industry standard aerosol filling equipment. The production process is carefully executed to assure proper mixture, volume and pressurization.

Hot Water Bath

A very important step in our quality and safety assurance procedures is the hot water bath. Every canister of product produced by Mace Personal Defense, Inc. is subjected to a leak test-

ing procedure. This critical manufacturing step is designed to isolate and remove any leaking aerosol products before they enter the assembly process.

Hand Assembly

Mace® brand defense spray products are assembled by hand. This hands-on assembly allows for a step-by-step inspection throughout the manufacturing process. If any component of the unit does not meet our standards, the unit is rejected.

Test Spraying

Once the controlled filling and assembly process is satisfactorily completed, a final quality check is done at the spray test booth. This very important step in our quality assurance program enables us to detect faulty nozzles or improper pressurization.

Summary

Mace Personal Defense, Inc. has a 20 year history of producing quality defense sprays and takes great pride in its ability to formulate and manufacture safe and effective defense spray products.