

2024 Chemical Unknown (Gas Lachrymator) Proficiency Test

FTS-24-CHEM2 Manufacturer's Information

The Submission Deadline for this test was September 27, 2024

The test was manufactured by FTS at the FTS Laboratory Facility (127 W. Grand River Avenue, Williamston, MI 48895) and all activities were coordinated by Rebecca Smith (rsmith@forsci.com), Proficiency Test Program Manager. Ms. Smith is also authorizing the release of this report. This is the manufacturer's information issued on 10/23/24. FTS considers all reports confidential and does not release information regarding participant's results without authorization from that participant.

Manufacturer's Information

Item 1 was produced by spraying RUGER Red Pepper Defense Gel (Lot# X0002046099, UPC 2306360215) directly onto a Jiehuxi Disposable Face Mask (Lot# MK01-50-WH, UPC X002LJ7UZ7) and allowing it to dry overnight in the hood. The mask was sealed inside a labeled GLAD® quart-sized freezer bag. The item was further packaged into a labeled 6" x 9" manila envelope, sealed per FTS guidelines.

Item 2 was produced by collecting Mace® Guard Alaska Bear Spray (Lot# 48492, UPC4392500153) in a glass container. Approximately 1mL of the collected bear spray was applied onto a Jiehuxi Disposable Face Mask (Lot# MK01-50-WH, UPC X002LJ7UZ7) using a pipette and allowed to dry overnight in the hood. The mask was sealed inside a labeled GLAD® quart-sized freezer bag. The item was further packaged into a labeled 6" x 9" manila envelope, sealed per FTS guidelines.

Items with matching UTICs were packaged together inside a large manila envelope, sealed and labeled per FTS guidelines.

Pre-distribution QA/QC testing was performed on Items 1 and 2 and both showed the presence of gas lachrymator compounds via GC-MS and were differentiable via UV Fluorescence.