

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.