

2024 Gunshot Residue Proficiency Test FTS-24-GSR 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. SEM-EDS QA/QC analysis of a sample of GSR negative stubs distributed in the test were subcontracted to an ISO 17025 accredited laboratory. 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

All items were prepared at different times. Each item consisted of a carbon taped aluminum SEM stub (Ted Pella, Inc., #16084-1/#16111) stored within a plastic pin storage mailer (Ted Pella, Inc., #16630).

Item 1 was produced by stamping a carbon taped aluminum SEM stub onto clean, dry skin. The stub was packaged it into a plastic pin storage mount mailer, sealed and labeled per FTS guidelines.

Item 2 was produced by stamping a carbon taped aluminum SEM stub onto clean, dry skin. The interior of a Ziploc® gallon-sized bag containing one used brake pad (collected from Hank Graff Dealership, Okemos, MI), was sampled with the carbon taped SEM stub, taking measures to limit the exposed surface area of the stub. The sub was then packaged into a plastic pin storage mount mailer, sealed and labeled per FTS guidelines.

Item 3 (negative control sample) was produced by packaging a carbon taped aluminum SEM stub into a plastic pin storage mount mailer, sealed and labeled per FTS guidelines.

All three items with matching UTICs were packaged together in a labeled 6" x 9" manila envelope, sealed and labeled per FTS guidelines.

A representative number (determined by hyper-geometric sampling) of Item 1 and Item 2 stubs were examined via SEM-EDS and did not show the presence of any characteristic three component Pb/Ba/Sb particles.