



Manufacturer's Information

Imprint Impression Evidence Test No. 16-533/534

Each sample pack consists of nine photographs. One photograph (K1a) shows the soles of the two suspect shoes lit from above. Two photographs (K1b and K1c) show the suspect soles lit with oblique lighting on the heels and toes, respectively. Four photographs (K1d, K1e, K1f and K1g) show known imprints made with the suspect shoes. Two photographs contain images of the eight questioned imprints, Q1-Q4 in the first photograph and Q5-Q8 in the second photograph. Participants were asked to compare the suspect shoe soles and their known imprints with the questioned imprints to determine if any identifications could be established.

SAMPLE PREPARATION -

The shoes used in this test had been worn frequently over the course of four months. Once the shoes were no longer worn, the soles were cleaned of any debris with water and paper towels. The owner of the suspect shoes wore them to produce the known imprints on K1f and K1g.

KNOWN IMPRINTS (K1d-K1g): Known imprints were created by coating the sole of each suspect shoe with fingerprint ink and producing individual imprints on office copy paper. The imprints on K1d and K1e were created by rolling each shoe onto paper attached to a fingerprinting palm roller. The toe and heel areas of each shoe were rolled separately, and the heels were placed above their respective toes to distinguish the imprints from those on K1f and K1g. The imprints on K1f and K1g were produced by walking across paper targets while wearing the suspect shoes.

QUESTIONED IMPRINTS (Q1-Q8): Questioned imprints Q1-Q8 were created by coating the sole of each shoe (see table below) with fingerprint ink and having the wearer of each pair of shoes walk across the vinyl tiles.

SAMPLE PACK ASSEMBLY -

Once verification was complete and sample preparation was done, each photo set was placed into a pre-labeled sample pack envelope, sealed with evidence tape, and initialed with "CTS." Each DVD was checked to ensure all images were accessible.

VERIFICATION -

Laboratories that conducted the pre-distribution examination of the images identified imprints Q1 and Q5 to the suspect's left shoe and identified imprints Q4 and Q8 to the suspect's right shoe. They eliminated imprints Q2, Q3, Q6, and Q7.

Imprints	Shoe Type	Manufacturer	Left/Right	Size (U.S.)
Q1, Q5	Moccasin shoe (Suspect Shoe K1)	Tom's	Left	7.5
Q4, Q8	Moccasin shoe (Suspect Shoe K1)	Tom's	Right	7.5
Q2, Q6, Q7	Moccasin shoe (Images not provided)	Tom's	Right	6.5
Q3	Moccasin shoe (Images not provided)	Tom's	Left	6.5

The information presented here details how test samples were prepared as well as any design specifications. This information does not necessarily represent the answers that should or could be obtained from an examination of the sample(s). Final interpretation of the results should be deferred until the summary report is available.