



Collaborative Testing Services, Inc.
FORENSIC TESTING PROGRAM

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Manufacturer's Information

Toolmarks Examination Test No. 17-528

Each sample set contained a diagonal cutter (Item 1), two 10 gauge copper wire pieces containing questioned toolmarks (Items 2 and 3) and two pieces of copper wire for test cut purposes. Participants were requested to determine which, if any, of the questioned toolmarks were made by the submitted tool. The Item 2 piece of copper wire was cut by the Item 1 diagonal cutter. The Item 3 piece of copper wire was cut by a different cutter that was not provided for examination.

ITEM 3 (ELIMINATION MARKS): The Item 3 copper wire (with red painted end) was cut by a pair of Stanley 6" Diagonal Cutting Pliers (not provided) and packaged into a pre-labeled Item 3 envelope and assembled into the sample pack box as described below. The above process was repeated until all elimination toolmarks had been prepared.

ITEMS 1 and 2 (IDENTIFICATION MARKS): The Item 2 copper wire (with blue painted end) was cut by the Item 1 Pittsburgh® 7" Professional Diagonal Pliers and packaged into a pre-labeled Item 2 envelope. The corresponding diagonal cutter was labeled with an Item 1 label and packaged in bubble wrap. Items 1 and 2 were then immediately assembled into the sample pack box as described below. The above process was repeated until all identification toolmarks had been prepared.

SAMPLE SET ASSEMBLY: The corresponding Item 1 diagonal cutter and Item 2 were packaged into a pre-labeled sample pack box along with the Item 3 and two pieces of copper wire for testing purposes. This process was repeated until the required number of sample sets were produced. Once verification was completed, the sample sets were sealed with evidence tape and initialed "CTS".

VERIFICATION: In addition to the sample sets examined and confirmed by predistribution laboratories, 10 randomly selected sample sets were examined by a qualified toolmark examiner who also confirmed the expected results.