



## *Manufacturer's Information*

### **Toolmarks Examination Test No. 19-528**

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Each sample set contained one knife (Item 1) and two sections of hose containing questioned toolmarks (Items 2 and 3). Participants were requested to determine if any of the questioned toolmarks were made by the submitted tool. The Item 2 and Item 3 hose pieces were both cut by the Item 1 knife.

ITEMS 1, 2 and 3 (IDENTIFICATION MARKS): Each knife was opened and inspected for defects. The knives were then stabbed into scrap tubing in a downward motion to remove manufacturing residue. The Item 2 blue hose was inserted into the jig and the Item 1 knife was inserted straight downward into the center of the hose and then the knife was pulled straight upward back out. The piece of blue hose was packaged into a pre-labeled Item 2 envelope. The Item 3 red hose was inserted into the jig and the Item 1 knife was inserted straight downward into the center of the hose and then the knife was pulled straight upward back out. The piece of red hose was packaged into a pre-labeled Item 3 envelope. The knife was packaged into a pre-labeled Item 1 envelope. Items 1, 2 and 3 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 PACK ASSEMBLY: The corresponding Item 1 knife along with the Items 2 and 3 hose were packaged into a pre-labeled sample pack box and additional pieces of each hose substrate were included for testing purposes. This process was repeated until the required number of sample packs were produced.

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.