	<p style="text-align: center;"><i>Latent Procedure</i></p> <p>Pitt County Sheriff's Office Forensics Services Unit <i>Issued by Technical Leader</i></p>	<p>Effective Date: 2018/04/01</p>	<p>Ver: 3</p>
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Technical Procedure for Sticky-Side Powder

1.0 Purpose - This procedure outlines how to make Sticky-Side solution and apply it to items of evidence.

2.0 Scope – This procedure applies to the adhesive side of tape and can be used to develop impressions on duct tape, masking tape, clear plastic tape, plastic surgical tape, reinforced packing tape, packing labels, paper-backed labels, double-sided foam tape and adhesive bandages.

3.0 Definitions – N/A

4.0 Equipment, Materials and Reagents (Alternatively pre-mixed solutions may be purchased from a commercial Forensic Supplier (Wet Wop-indefinite shelf life).

4.1 Equipment and Materials

- One (1) camel hair brush
- One (1) dropper bottle
- One (1) teaspoon
- One (1) mixing jar
- One (1) rinse tray and/or agitation device
- Safety goggles
- Camera/scanner
- Fume hoods
- Gloves
- Forceps

4.2 Reagents

- Sticky-Side powder (1 teaspoon)
- Photo-Flo 200 (30 mL)
- Sufficient appropriate water for mixture and rinse

5.0 Procedure

5.1 Mixing Procedure


5.1.1 Place one (1) teaspoon of Sticky-Side powder into the mixing jar.

5.1.2 Fill container with thirty (30) mL of water and thirty (30) mL of Photo-Flo 200 and shake well.

5.1.3 Add this solution to the powder in the mixing jar until a paste is developed to the consistency of a thin paint.

5.2 Application Procedure

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5.2.1 Method # 1

- 5.2.1.1** Examiner/technician shall produce a self-made test print to be processed concurrently with items of evidence (see section technical procedure for Ensuring Quality Control).
- 5.2.1.2** Using the camel hair brush, brush the paste onto the adhesive side of the tape.
- 5.2.1.3** The solution shall remain on the tape for approximately ten (10) to fifteen (15) seconds.
- 5.2.1.4** After approximately ten (10) to fifteen (15) seconds, place the tape in the rinse tray of cold water and agitate to remove the excess dye. Allow the tape to dry.

5.2.2 Method # 2

- 5.2.2.1** Place approximately one (1) teaspoon amount of Sticky-Side powder in a tray of cold water (the rinse water from Method #1 may be used in this step).
- 5.2.2.2** Agitate or stir the solution until the powder is completely dissolved.
- 5.2.2.3** Submerge the item in the solution with the adhesive side up allowing the particles to settle on the tape or label. This step may take a period of time to develop with the latent impressions appearing somewhat fainter. Faint latent impressions may require additional processing time and may be returned to the solution.
- 5.2.2.4** Allow the item to dry completely.
- 5.2.2.5** Preserve developed impressions through photography according to the techniques (see photographic equipment procedures) and/or by electronically recording the impressions (see Image Processing and Recording of All Analytical Data).

Note: Developed impressions may also be lifted from the adhesive side of the tape; however, care shall be taken when attempting this procedure as the adhesive from the tape may also be lifted. Lifting the impressions may alter the contrast of the developed impression

5.3 Standards and Controls – N/A


5.4 Calibration – N/A

5.5 Sampling – N/A

5.6 Calculations – N/A

5.7 Uncertainty of Measurement – N/A

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6.0 Limitations – Prepared solution from mixing instructions above have a 30 day shelf life.

7.0 Safety -The powder and chemical solutions shall be handled and applied while wearing gloves and eye protection. Improper use may cause some irritation when contact with the eyes or skin occurs, and the chemical may be harmful if inhaled or ingested.

8.0 References

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9.0 Records – N/A

10.0 Attachment – N/A



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REVISION HISTORY

CURRENT VERSION	EFFECTIVE DATE	SUMMARY OF CHANGES
1	2016/07/01	Original Version
2	2018/04/01	Change purpose, water, revision history table, issue date to effective date, rev# to ver#
3	2018/04/01	Added limitation of the prepared solution and indicate the shelf life of the commercially prepared solution.

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