

Powdered sugar (as an analog to the sodium cyanoborohydrite)

- 1a. White crystals, easily aspirated and dispensed. No issues dispensing into the customers bottles.
- 1b. Set up and calibration are straight forward.
- 1c. Requires relatively high air pressure to eject sample from the pipette due to the crystalline shape compacting.
- 1d. Tip pressure on leveling plate compacts the crystals so the sugar is expelled as a loose pellet.
- Care must be exercised to ensure all powder proud of the tip orifice must be removed to minimize sample weight variation. See samples # 11 15 and 16 21.
- 1f. No special process efforts were taken to optimize the dispense weight variation as this powder is an analog and may vary in characteristics form the actual powder.
- 2.0 Standard 0.125 dia tip used for testing due to small dispense volume.
- 3.0 Aerosol: No aerosol or loose crystals were observed during or after dispense.
- 4.0 Under normal laboratory conditions, periodic cleaning, based on humidity. Tip/filter cleaning and changeover is <5 minutes.

Summary: Easy material to pipette, even at the small dispense weight. This powder is an analog and may vary in characteristics form the actual powder.