PHARMACEUTICALS

HALO





PEAK IDENTITIES:

- 1. Lidocaine

- 4. Bupivacaine
- 5. Tetracaine
- 6. Dibucaine
- 7. Benzocaine

TEST CONDITIONS:

Column: HALO 90 Å PCS C18, 2.7µm, 2.1 x 100mm Part Number: 92812-617 Mobile Phase: A: Water, 0.1% Formic Acid B: Acetonitrile, 0.1% Formic Acid Gradient Separation: Time: %B 0.00 2 1.00 2 4.00 75 75 4.50 4.6 2 2 6.5 Flow Rate: 0.4 mL/min Back Pressure: 228 bar Temperature: 30°C Injection: 1.0 µL Sample Solvent: 80/20 Water/ACN Wavelength: PDA, 254 nm Flow Cell: 1 µL Data Rate: 100 Hz Response Time: 0.025 sec. LC System: Shimadzu Nexera X2

A local anesthetics panel is separated using the HALO® PCS C18 column. Local anesthetics are safe and provide great efficacy in the medical field. While the use of these anesthetics is routine, there are other pharmacological properties that anesthesiologists must be aware of when administering. To maintain patient safety, it is critical to be able to measure the amount of each anesthetic administered. Under reversed phase conditions this panel of 7 local anesthetics is separated in under 5 minutes with baseline resolution using the HALO® PCS C18 phase from AMT.

AMT AN Rev 0 🕖 advancedmaterialstechnology Made in the USA

INNOVATION YOU CAN TRUST, PERFORMANCE YOU CAN RELY ON

HALO® and Fused-Core® are registered trademarks of Advanced Materials Technology