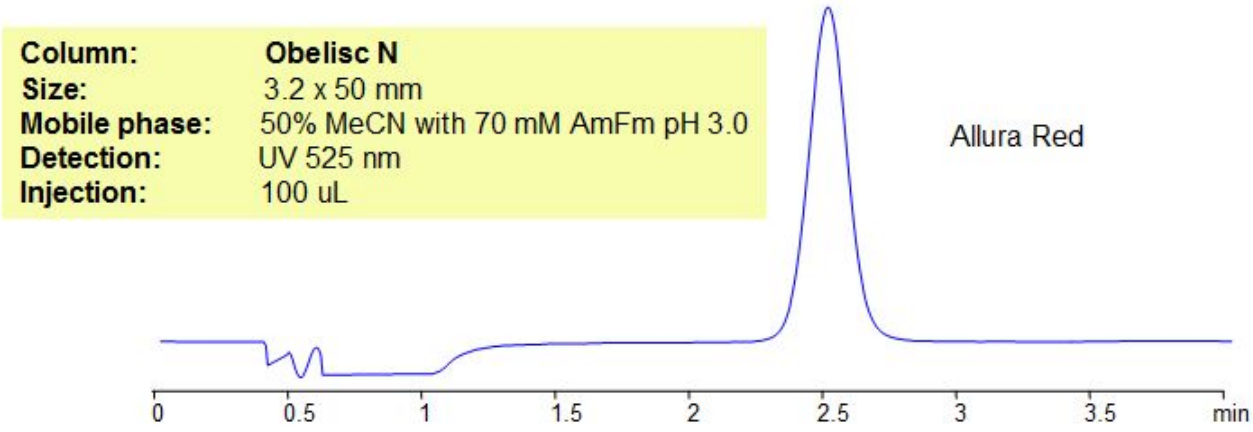
HPLC Method for Analysis of Allura Red in Soft Drinks 5



SIELC has developed the Obelisc™ columns, which are mixed-mode and utilize Liquid Separation Cell technology (LiSC™). These cost-effective columns are the first of their kind to be commercially available and can replace multiple HPLC columns, including reversed-phase (RP), AQ-type reversed-phase, polar-embedded group RP columns, normal-phase, cation-exchange, anion-exchange, ion-exclusion, and HILIC (Hydrophilic Interaction Liquid Chromatography) columns. By controlling just three orthogonal method parameters - buffer concentration, buffer pH, and organic modifier concentration - users can adjust the column properties with pinpoint precision to separate complex mixtures.

Method Parameters

Column	Obelisc N, 3.2×50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 50/50%
Buffer	AmFm pH 3.0 – 70 mM
Flow Rate	0.6 mL/min
Detection	UV, 525 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-allura-red-in-soft-drinks-5