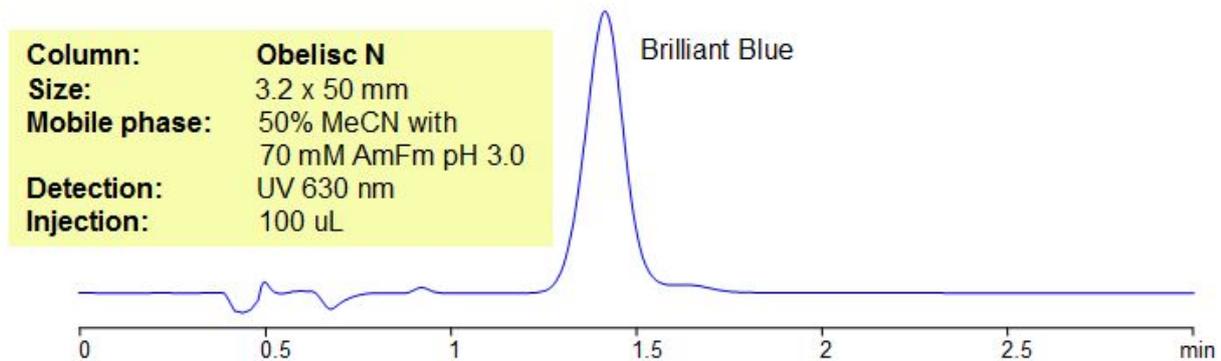


HPLC Method for Analysis of Brilliant Blue in Gatorade Cool Blue



Brilliant Blue FCF, also known as Blue 1, is a compound classified as a triarylmethane dye. Dry, it has the appearance of a light-blue powder, but when dissolved in water, turns deeper blue. When ingested, the dye is poorly absorbed from the gastrointestinal tract. Obelisc N is a column with very polar characteristics. It contains embedded acidic and basic ionizable groups and can retain Brilliant Blue. The method is UV compatible and can be used as a general approach for analyzing similar compounds

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.

Quelle: <https://sielc.com/hplc-method-for-analysis-of-brilliant-blue-in-gatorade-cool-blue>