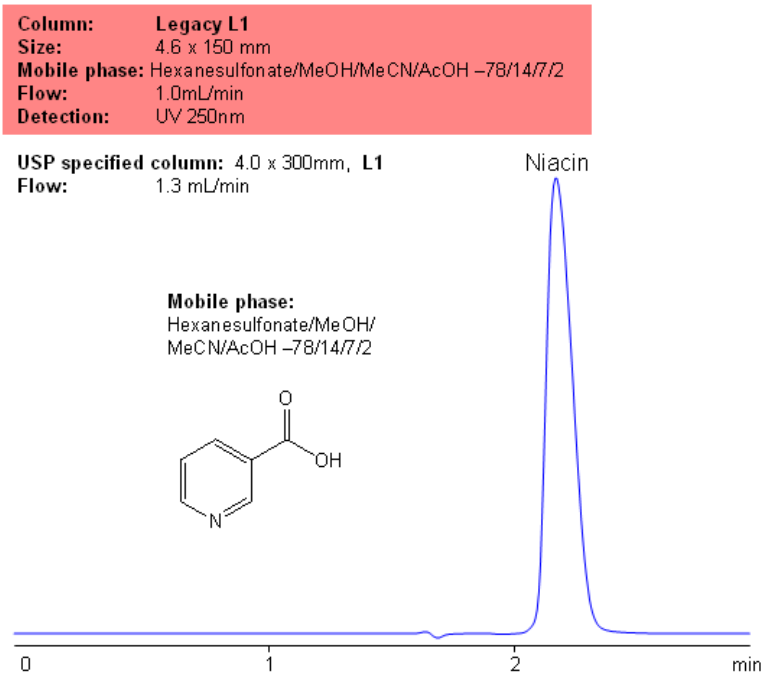
USP Methods for the Analysis of Niacin with the Legacy L1 Column



Niacin (vitamin B3, nicotinic acid) is one of the essential vitamins. The water-soluble vitamin was analyzed by reversed-phase chromatography on the C18 reversed-phase HPLC column, Legacy L1. This column is classified according to USP as a L1-type of column. It can be used for the analysis of various drugs, vitamins, and chemicals according to United States Pharmacopeia.

SIELC's family of Legacy columns is based on the United States Pharmacopeia's (USP) published chromatographic methods and procedures. Numerous brands have columns used in USP reference standards and methods. USP has created various designations to group together columns with similar types of packing and properties in the solid phase. SIELC's Legacy columns adhere to these strict requirements and properties, allowing you to easily replace older columns that are no longer available without needing to significantly modify your method or SOPs.

Method Parameters

Column	Legacy L1, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	Hexanesulfonate/MeOH/MeCN/AcOH –78/14/7/2
Buffer	Hexanesulfonate
Flow Rate	1.0 mL/min
Detection	UV, 250 nm

Quelle: https://sielc.com/Application-USP-Methods-for-the-Analysis-of-Niacin-with-the-Legacy-L1-Column