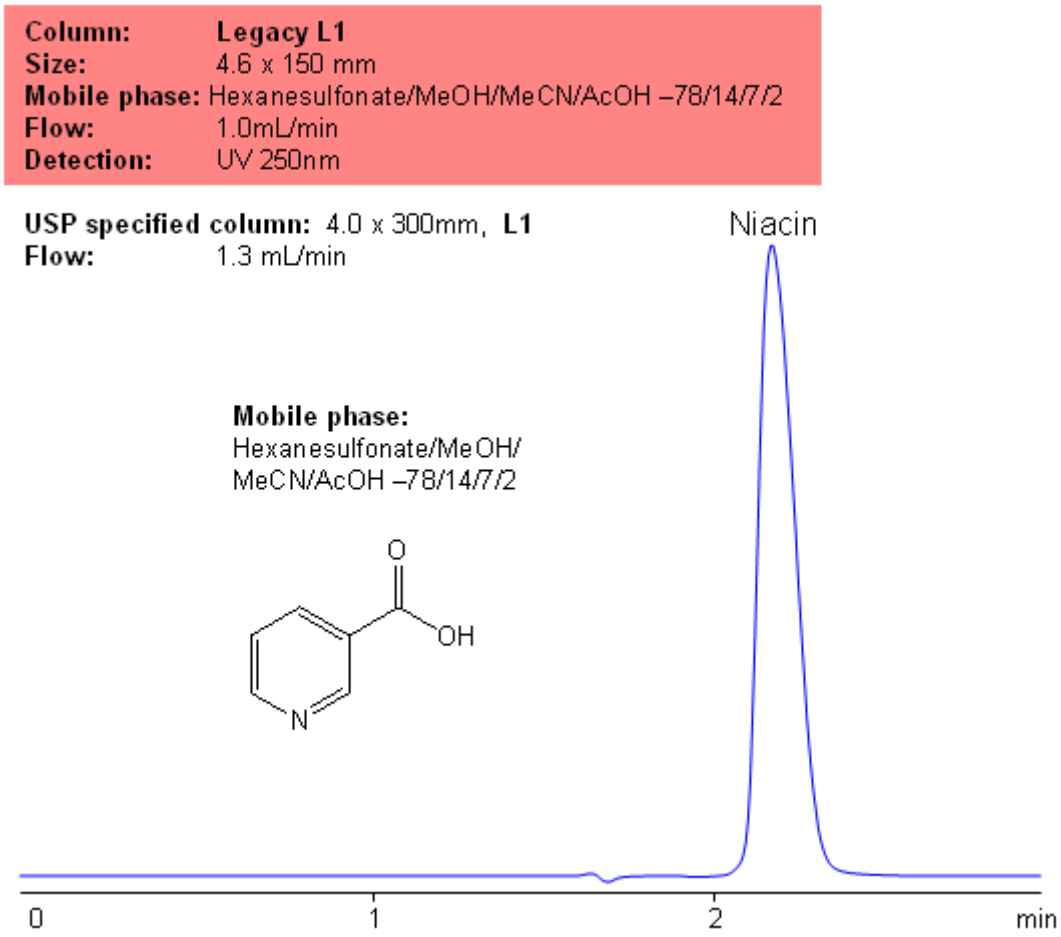
USP Methods for the Analysis of Niacin with the Legacy L1 Column

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

Chromatogram



Description

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.

Method Parameters

Mobile Phase	Hexanesulfonate/MeOH/MeCN/AcOH –78/14/7/2
Buffer	Hexanesulfonate
Flow Rate	1.0 ml/min
Detection	UV, 250 nm
Class of Compounds	Drug, Cholesterol medication, Vitamin B3, Hydrophobic, Ionizable
Analyzing Compounds	Vitamin B3, Niacin

HPLC Column Used

Legacy L1, 4.6×150 mm, 5 µm, 100A
Order this column at hplc-shop.de →