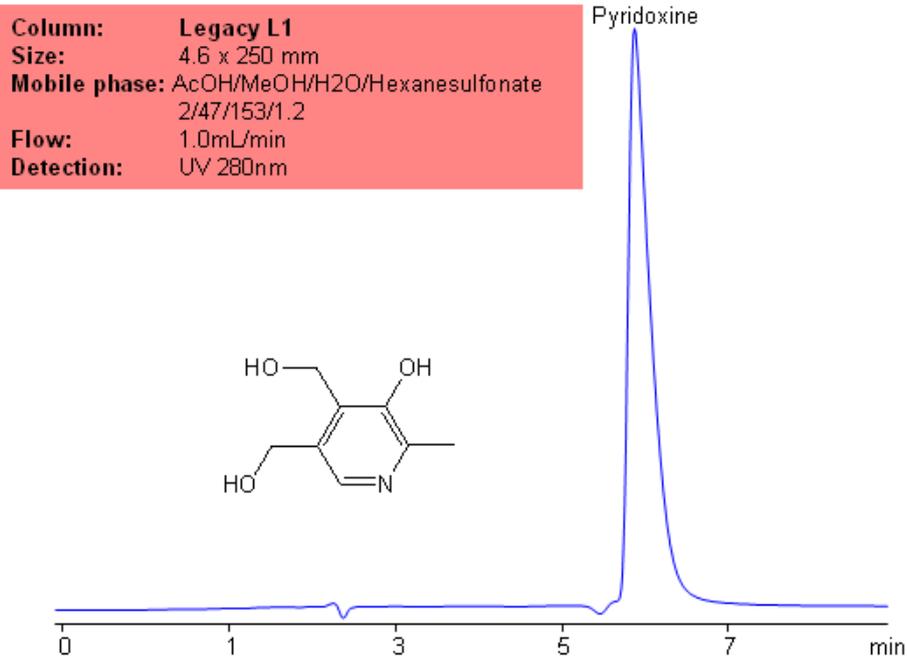


USP Methods for the Analysis of Pyridoxine for the Legacy L1 Column



Application Notes: Pyridoxine is part of the vitamin B complex group. Pyridoxine is important in the body's daily function as it regulates many enzymatic reactions. The USP HPLC method for the separation of pyridoxine was developed on Legacy L1 column according to the US Pharmacopeia methodology. L1 classification is assigned to reversed-phase HPLC column containing C18 ligand. Support for the material is spherical silica gel with particles size 3-10 µm and pore size of 100-120 Å. Resolution between critical pairs corresponds to rules and specifications of UPS.

Application Columns: Legacy L1 C18HPLCcolumn

Application compounds: Pyridoxine

Mobile phase: AcOH/MeOH/H₂O/Hexanesulfonate (2/47/153/1.2)

Detection technique: UV

Reference: USP35- NF30

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, 4.6x250 mm, 5 µm, 100 Å
Mobile Phase	AcOH/MeOH/H2O/Hexanesulfonate 2/47/153/1.2
Buffer	Hexanesulfonate
Flow Rate	1.0 mL/min
Detection	UV, 280 nm

Quelle: <https://sielc.com/Application-USP-Methods-for-the-Analysis-of-Pyridoxine-for-the-Legacy-L1-Column>