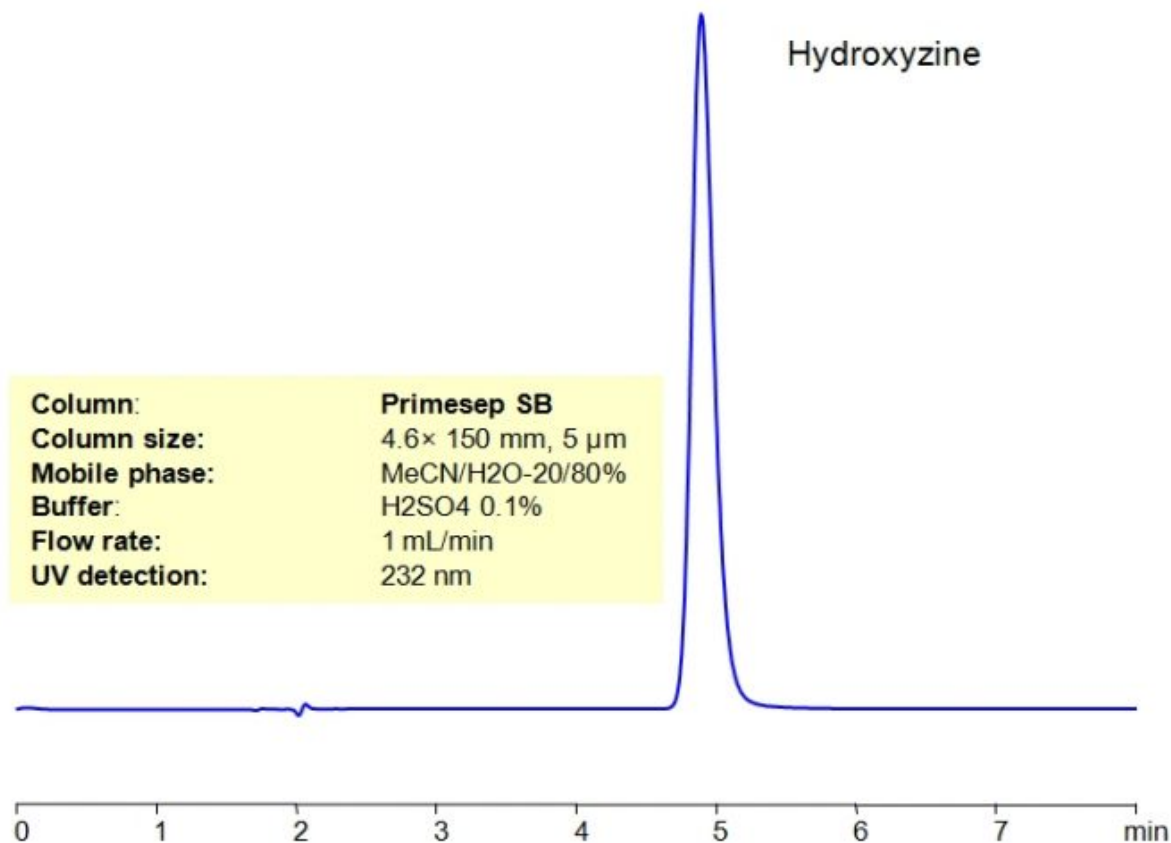


HPLC Method for Determination of Hydroxyzine in Tablets on Primesep SB Column

<https://sielc.com/hplc-determination-of-hydroxyzine-in-tablets>

Chromatogram



Description

HPLC Method for Analysis of Hydroxyzine , Hydroxyzine dihydrochloride on Primesep SB Column by SIELC Technologies

Hydroxyzine is an antihistamine medication that is used to treat various conditions.

Antihistamine: Hydroxyzine belongs to the class of drugs known as first-generation antihistamines. It works by blocking the effects of histamine, a natural substance in the body that is involved in allergic reactions.

Uses: Hydroxyzine is used to treat itching caused by allergies, as well as to relieve symptoms of allergic reactions such as hives. It is also used as a sedative to manage anxiety and tension.

Allergic Reactions: In the context of allergic reactions, hydroxyzine helps alleviate symptoms like itching, redness, and swelling by blocking histamine receptors.

Anxiolytic Properties: It has sedative and anxiolytic (anxiety-reducing) properties, and it is sometimes prescribed to manage anxiety and tension.

Forms: Hydroxyzine is available in various forms, including tablets, capsules, and oral solutions. It can also be administered by injection in certain medical situations.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV, 232 nm
Class of Compounds	Drug, Antihistamine, Base, Hydrophobic, Ionizable
Analyzing Compounds	Hydroxyzine, Hydroxyzine dihydrochloride

HPLC Column Used

Primesep SB, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)