

# Diphenhydramine HCL

INCI Name: Diphenhydramine Hydrochloride

CAS Numbers: 147-24-0

## Description:

Diphenhydramine hydrochloride is an antihistamine with anticholinergic (drying) and sedative effects. Antihistamines appear to compete with histamine for cell receptor sites on effector cells. This medication works by blocking histamines that the body makes during an allergic reaction. Its drying effects on such symptoms as watery eyes and runny nose are caused by blocking another natural substance made by the body (acetylcholine).



## Technical Data:

<u>TEST</u>	<u>SPECIFICATION</u>
Appearance	White, crystalline powder
Odor	Odorless
Identification	3 max.
A. Organic Nitrogenous Bases	Conforms
B. Standard Preparation	Conforms
C. Chloride	Conforms
Melting Range	167°-172°C
Loss of Drying	≤0.5%
Residue on Ignition	≤0.1%
Residual Solvents	Conforms
Assay	98.0-102.0%

## Applications:

Diphenhydramine is an antihistamine used to relieve symptoms of allergy, hay fever, and the common cold. These symptoms include rash, itching, watery eyes, itchy eyes/nose/throat, cough, runny nose, and sneezing. It is also used to prevent and treat nausea, vomiting and dizziness caused by motion sickness. Diphenhydramine can also be used as a sleep aid, and can help with Parkinson's Disease.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com