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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2027

**Product Name: Diphenhydramine Hydrochloride (In House Standard)**

### Identification:

Chemical Name: 2-(Benzhydryloxy)-N,N-dimethylethan-1-amine hydrochloride

Synonyms : NA

CAS Number : 147-24-0

CAT Number : CP-D23009

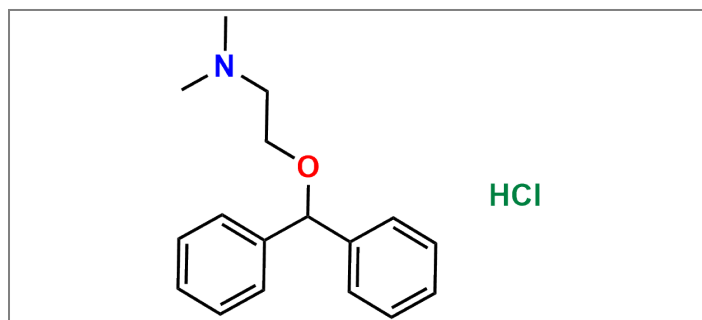
Molecular Formula : C17H21NO : HCl

Molecular Weight : 255.4 : 36.46

Batch Number : CP-DIP-HCL-1024

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.70%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	0.069%
8)	Potency by TGA	97.63%



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.