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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2025

Re-test Date: Sep 2028

**Product Name: Diphenhydramine EP Impurity B**

### Identification:

Chemical Name: 2-[(RS)-(4-methylphenyl)phenylmethoxy]-N,N-dimethylethanamine

Synonyms : Dimenhydrinate EP Impurity G :  
4-Methyl Diphen hydramine  
(USP)

CAS Number : 19804-27-4

CAT Number : CP-D23002

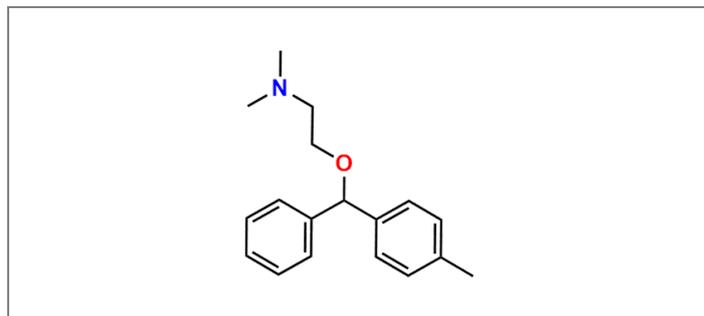
Molecular Formula : C<sub>18</sub>H<sub>23</sub>NO

Molecular Weight : 269.38

Batch Number : CP-36-20-A

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	Brown Liquid
2)	Solubility	Soluble in DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	98.54%
5)	<sup>1</sup> HNMR	Confirm to Structure



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

### Approved By

Ms Rohini Gagare  
(Quality Assurance)

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