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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2028

Product Name: N-Nitroso N-Desmethyl Diphenhydramine EP Impurity B

Identification:

Chemical Name: N-methyl-N-(2-(phenyl(p-tolyl)methoxy)ethyl)nitrous amide

Synonyms : NA

CAS Number : NA

CAT Number : CP-D23011

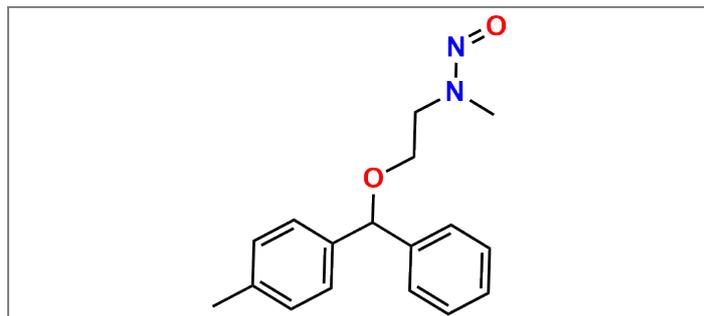
Molecular Formula : C₁₇H₂₀N₂O₂

Molecular Weight : 284.36

Batch Number : CP-DIP-DMNB-0625

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	Light Brown Liquid
2)	Solubility	Soluble in Methanol /CDCl ₃
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	Isomer 1=36.36 %(RT-11.174)Isomer 2=56.03 %(RT-11.200)Total Purity=92.39 %
5)	¹ HNMR	Confirm to Structure
6)	Weight loss by TGA	0.868 %
7)	Potency by TGA	91.59%



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.