CERTIFICATE OF ANALYSIS

(Certificate No. KMD120006-01)

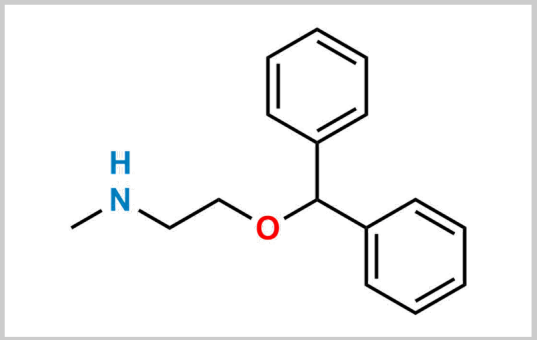
Release Date: 03/01/2026 **Re-test Date:** 02/01/2029

Diphenhydramine EP Impurity A

Identification

Chemical Name :
2-(Diphenylmethoxy)-N-methylethanamine (diphenhydramine impurity A)

Alt. Name	: N-Desmethyl Diphenhydramine ; N-Demethyldiphenhydramine
CAT No.	: KMD120006
CAS No.	: 17471-10-2
Molecular Formula	: C16H19NO
Molecular Weight	: 241.3



Analytical Information

Batch No.	: D120006-114-087	**Solubility**	: Acetonitrile
Description	: Light Yellow Semi Solid	**Mass**	: Confirm
HPLC Purity	: 99.38 %	**IR**	: Confirm
Weight Loss By TGA	: 1.84 %	**1H NMR**	: Confirm
% Potency	: 97.55 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 1.84(Weight Loss By TGA)] x [99.38(HPLC Purity)]/100 = 97.55 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		08/01/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA