CERTIFICATE OF ANALYSIS

(Certificate No. KMD025011-02)

Release Date: 13/10/2026 **Re-test Date:** 12/10/2029

Diphenhydramine Hydrochloride IPRS

Identification

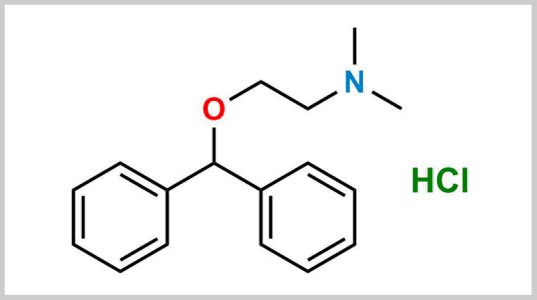
Chemical Name :
2-(Benzhydryloxy)-N,N-dimethylethan-1-amine hydrochloride

CAT No. : KMD025011

CAS No. : 147-24-0

Molecular Formula : C17H21NO : HCl

Molecular Weight : 255.4 : 36.5



Analytical Information

Batch No.	: D025011-136-263	**Solubility**	: Acetonitrile
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.44 %	**IR**	: Confirm
Weight Loss By TGA	: 0.60 %	**1H NMR**	: Confirm
% Potency	: 98.84 %	**13C NMR**	: Confirm

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 - 0.60(Weight Loss By TGA)] x [99.44(HPLC Purity)]/100 = 98.84 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		13/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA