

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMD025011-01)

**Release Date:** 28/01/2026

**Re-test Date:** 27/01/2029

## **Diphenhydramine Hydrochlorid USP<sup>RS</sup>**

### **Identification**

**Chemical Name :**

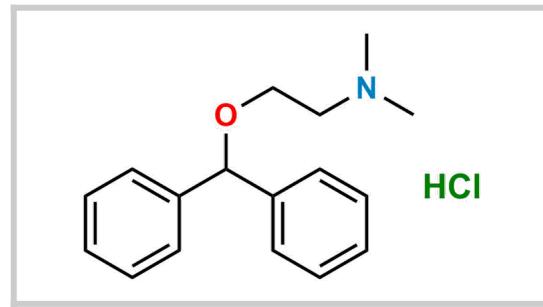
2-(Benzhydryloxy)-N,N-dimethylethan-1-amine hydrochloride

**CAT No.** : KMD025011

**CAS No.** : 147-24-0

**Molecular Formula** : C17H21NO : HCl

**Molecular Weight** : 255.4 : 36.5



### **Analytical Information**

**Batch No.** : D025011-114-119

**Solubility** : ACN

**Description** : White Solid

**Mass** : Confirm

**HPLC Purity** : 99.61 %

**IR** : Confirm

**Weight Loss By TGA** : 0.02 %

**1H NMR** : Confirm

**% Potency** : 99.59 %

**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 - 0.02(Weight Loss By TGA)] x [99.61(HPLC Purity)]/100 = 99.59 %

**Recommendation** : Released

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		29/01/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		29/01/2026

**Attachments** : COA, HPLC, MASS, 1HNMR,13C NMR,IR and TGA