

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMB018001-01)

**Release Date:** 12/04/2024

**Re-test Date:** 11/04/2027

## **Benzydamine EP Impurity G**

### **Identification**

**Chemical Name :**

3-chloro-N,N-dimethylpropan-1-amine hydrochloride

**CAT No.** : KMB018001

**CAS No.** : 5407-04-5(HCl salt) , 109-54-6 (free base)

**Molecular Formula** : C<sub>5</sub>H<sub>12</sub>ClN : HCl

**Molecular Weight** : 121.61 : 36.5



### **Analytical Information**

**Batch No.** : BEN-EPG-073-151

**Description** : Off White Solid

**Assay By Titration** : 99.70 %

**Weight Loss By TGA** : 1.76 %

**% Potency** : 97.95 %

**Solubility** : Water

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 1.76(Weight Loss By TGA)] x [99.70(Assay By Titration)]/100 = 97.95 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		13/04/2024

**Attachments** : COA, MASS, <sup>1</sup>HNMR, IR and TGA