# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMC002013-01)

**Release Date:** 13/05/2023 **Re-test Date:** 12/05/2026

# **Decyl Aminoquat**

### **Identification**

#### **Chemical Name:**

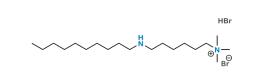
6-(Decylamino)-N,N,N-trimethylhexan-1-aminium bromide hydrobromide

**CAT No.** : KMC002013

**CAS No.** : 2247938-20-9

**Molecular Formula** : C19H43N2 : Br : HBr

**Molecular Weight** : 299.6 : 79.9 : 80.9



## **Analytical Information**

**Batch No.** : COL-DEAMI-045-134 **Solubility** : ACN : Water (1:1)

Description: Off white Hygroscopic SolidMass: ConfirmHPLC Purity: 96.61 %IR: ConfirmWeight Loss By TGA: 0.60 %1H NMR: Confirm

**% Potency** : 96.03 %

### **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 [96.61(HPLC Purity)]/100 = 96.03 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		30/05/2025

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