CERTIFICATE OF ANALYSIS

(Certificate No. KMC002025-01)

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

Decyl Aminoquat

Identification

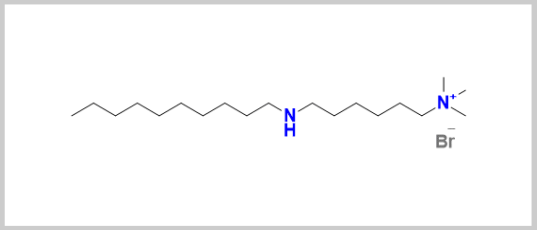
Chemical Name :
6-(decylamino)-N,N,N-trimethylhexan-1-aminium bromide

CAT No. : KMC002025

CAS No. : 359436-99-0

Molecular Formula : C19H43N2 : Br

Molecular Weight : 299.6 : 79.9



Analytical Information

Batch No. : C002025-114-156

Description : Off white Hygroscopic Solid

HPLC Purity : 95.21 %

Weight Loss By TGA : 0.62 %

% Potency : 94.62 %

Solubility : Water : ACN (1 : 1)

Mass : Confirm

IR : Confirm

1H 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 - 0.62(Weight Loss By TGA)] x [95.21(HPLC Purity)]/100 = 94.62 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		08/02/2026

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