

CERTIFICATE OF ANALYSIS

(Certificate No. KMC002002-01)

Release Date: 28/01/2024

Re-test Date: 27/01/2027

Aminodihexylquat Nitroso Impurity

Identification

Chemical Name :

6,6'-(nitrosoazanediy)bis(N,N,N-trimethylhexan-1-aminium)

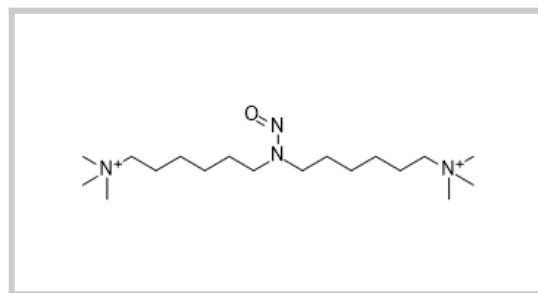
Alt. Name : N-Nitroso Dihexyl Aminoquat

CAT No. : KMC002002

CAS No. : Not Available

Molecular Formula : C₁₈H₄₂N₄O

Molecular Weight : 330.55



Analytical Information

Batch No. : COL-DIH-NO-073-048

Solubility : Water

Description : Light Yellow Thick Syrup

Mass : Confirm

HPLC Purity : 99.62 %

IR : Confirm

Weight Loss By TGA : 2.17 %

¹H NMR : Confirm

% Potency : 97.46 %

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 - 2.17(Weight Loss By TGA)] x [99.62(HPLC Purity)]/100 = 97.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh patel		
Reviewed & Approved By	Quality Control	Jatin patel		

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