

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)

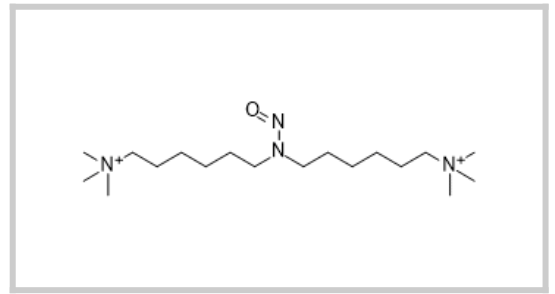
Alt. Name : N-Nitroso Dihexyl Aminoquat

CAT No. : KMC002002

CAS No. : Not Available

Molecular Formula : C₁₈H₄₂N₄O

Molecular Weight : 330.55



Analytical Information

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

Description : Light Yellow Thick Syrup

HPLC Purity : 99.62 %

Weight Loss By TGA : 2.17 %

% Potency : 97.46 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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 = $[100 - 2.17(\text{Weight Loss By TGA})] \times [99.62(\text{HPLC Purity})]/100 = 97.46 \%$

Recommendation : Released

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

Attachments : COA, SER, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA