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'-(nitrosoazanediyl)bis(N,N,N-trimethylhexan-1-aminium)

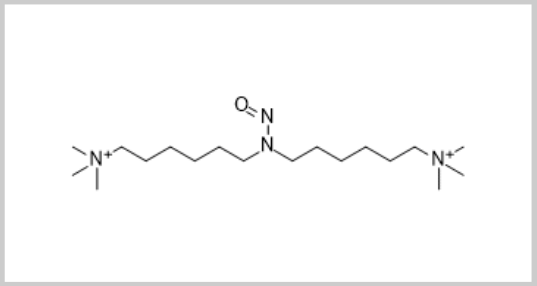
Alt. Name : N-Nitroso Dihexyl Aminoquat

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