

# 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)

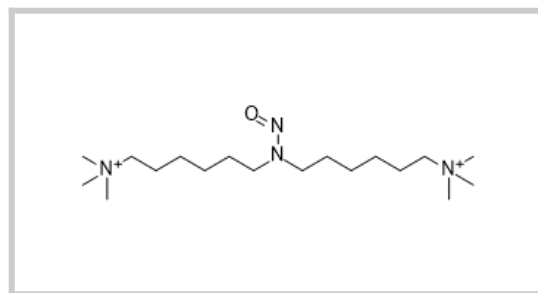
**Alt. Name** : N-Nitroso Dihexyl Aminoquat

**CAT No.** : KMC002002

**CAS No.** : Not Available

**Molecular Formula** : C<sub>18</sub>H<sub>42</sub>N<sub>4</sub>O

**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 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 97.46 %

**<sup>13</sup>C 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, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA