

# 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)

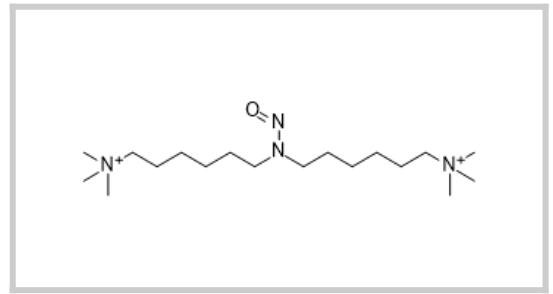
**Alt. Name :** N-Nitroso Dihexyl Aminoquat

**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

**Description :** Light Yellow Thick Syrup

**HPLC Purity :** 99.62 %

**Weight Loss By TGA :** 2.17 %

**% Potency :** 97.46 %

**Solubility :** Water

**Mass :** Confirm

**IR :** Confirm

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

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

**Recommendation :** Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh patel		
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin patel		

**Attachments :** COA, SER, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA