

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC003007-01)

Release Date: 30/03/2024

Re-test Date: 29/03/2027

## Nitroso Clonidine Related Compound A

### Identification

**Chemical Name :**

N-(1-acetyl-4,5-dihydro-1H-imidazol-2-yl)-N-(2,6-dichlorophenyl)nitrous amide

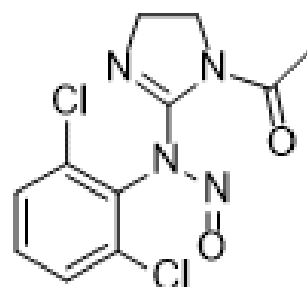
**Alt. Name** : N-Nitroso Clonidine EP Impurity B

**CAT No.** : KMC003007

**CAS No.** : Not Available

**Molecular Formula** : C<sub>11</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular Weight** : 301.13



### Analytical Information

**Batch No.** : CLO-RCA-N-NO-073-131

**Solubility** : ACN

**Description** : Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 98.75 %

**IR** : Confirm

**Weight Loss By TGA** : 0.02 %

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

**% Potency** : 98.73 %

**<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 - 0.02(Weight Loss By TGA)] x [98.75(HPLC Purity)]/100 = 98.73 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA