# CERTIFICATE OF ANALYSIS

(Certificate No. KMH012038-01)

**Release Date:** 24/10/2024 **Re-test Date:** 23/10/2027

## Haloperidol Nitroso Impurity 1

## Identification

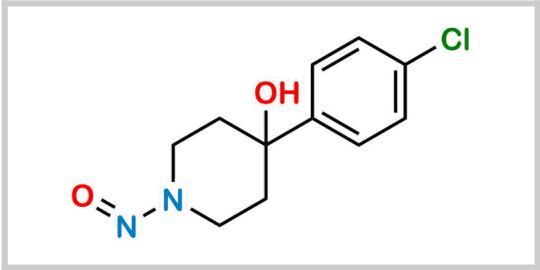
**Chemical Name** :
4-(4-Chlorophenyl)-1-nitrosopiperidin-4-ol ; N-Nitroso-4-(4-chlorophenyl)-4-hydroxypiperidine

**CAT No.** : KMH012038

**CAS No.** : 3192-36-7

**Molecular Formula** : C11H13ClN2O2

**Molecular Weight** : 240.7




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : MH012038-091-001 | **Solubility** | : Acetonitrile |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.94 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.73 % | **1H NMR** | : Confirm |
| **% Potency** | : 99.21 % | | |

## 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 - 0.73(Weight Loss By TGA)] x [99.94(HPLC Purity)]/100 = 99.21 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 30/10/2024 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 30/10/2024 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA