

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMQ001007-01)

**Release Date:** 04/03/2024

**Re-test Date:** 03/03/2027

## **Nitroso Piperazine Ethanol**

### **Identification**

**Chemical Name :**

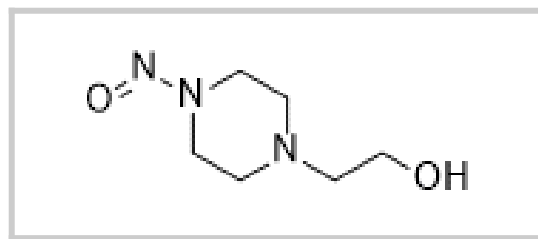
2-(4-Nitrosopiperazin-1-yl)ethan-1-ol

**CAT No.** : KMQ001007

**CAS No.** : 48121-20-6

**Molecular Formula** : C<sub>6</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>

**Molecular Weight** : 159.19



### **Analytical Information**

**Batch No.** : QUE-HY-PIP-N-NO-019-139

**Solubility** : Methanol

**Description** : Light Yellow Low Melting Solid \*

**Mass** : Confirm

**HPLC Purity** : 98.98 %

**IR** : Confirm

**Weight Loss By TGA** : 1.19 %

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

**% Potency** : 97.8 %

### **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 - 1.19(Weight Loss By TGA)] x [98.98(HPLC Purity)]/100 = 97.8 %

-Re-tested on 04.03.2024

\*Physical state changed due to storage at 2-8 deg. C but no change in purity

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		04/03/2024
Reviewed & Approved By	Quality Control	Jatin Patel		04/03/2024

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