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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2023

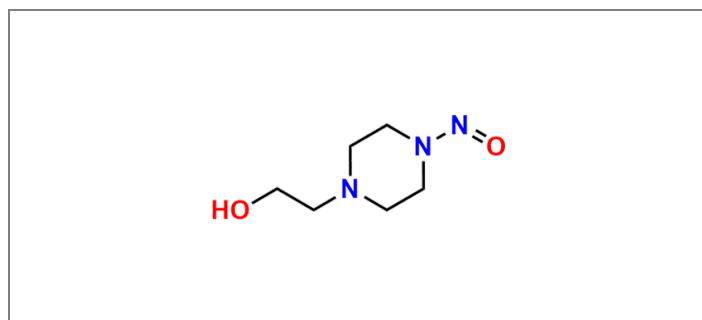
Re-test Date: May 2026

**Product Name: 4-Nitrosopiperazine-1-ethanol**

### Identification:

Chemical Name: 2-(4-Nitrosopiperazin-1-yl)ethan-1-ol

Synonyms : NA  
CAS Number : 48121-20-6  
CAT Number : CP-A22020  
Molecular Formula : C<sub>6</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>  
Molecular Weight : 159.19  
Batch Number : CP-PIP-NIT-0623



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

| Sr. No. | Test           | Result                        |
|---------|----------------|-------------------------------|
| 1)      | Description    | Pale Yellow Hygroscopic Solid |
| 2)      | Solubility     | Soluble in Methanol/DMSO      |
| 3)      | MASS By LCMS   | Confirm to structure          |
| 4)      | Purity By HPLC | 98.2%                         |
| 5)      | H1NMR          | Confirm to structure          |
| 6)      | 13CNMR         | Confirm to structure          |



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.