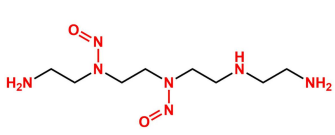


CERTIFICATE OF ANALYSIS

Date: 27-12-2024

| | | | |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|
| Product Name | N-Nitroso Trientine Impurity 13 | | |
| Chemical Name | N-(2-aminoethyl)-N-(2-((2-((2-aminoethyl)amino)ethyl)(nitroso)amino)ethyl)nitrous amide | | |
| Structure |  <p>The chemical structure shows a central nitrogen atom bonded to two ethyl chains, each terminated with a primary amine group (NH₂). This central nitrogen is also bonded to two nitroso groups (NO), one above and one below the chain. The nitroso groups are shown in red in the original image.</p> | | |
| Inv. Status | - | CAS No. | NA |
| Analysis Date | - | Retest Date | - |
| Mol. Formula | C ₈ H ₂₁ N ₇ O ₂ | Molecular Wt. | 247.3 |
| Long term Storage Condition | Store at 2-8 °C in well closed container | | |
| Handling and Transit Condition | 25-30 °C in well closed container | | |

| Test | Result |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Appearance | - |
| Solubility | - |
| ¹ H-NMR | Conforms to structure |
| MASS | Conforms to structure |
| Chromatographic Purity | >90% |
| Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical. | |

| | Prepared By | Checked By | Approved By |
|------------------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |

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