

# CERTIFICATE OF ANALYSIS

(Certificate No. KMN001015-01)

Release Date: 17/02/2023

Re-test Date: 16/02/2026

## N-Nitroso-N-methyl-4-aminobutyric acid (NMBA)

### Identification

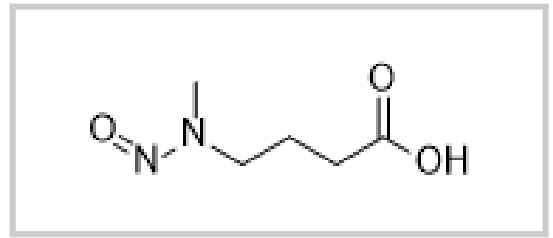
**Chemical Name :**  
4-(methyl(nitroso)amino)butanoic acid

**CAT No.** : KMN001015

**CAS No.** : 61445-55-4

**Molecular Formula** : C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 146.15



### Analytical Information

**Batch No.** : NABA-045-061

**Description** : Pale Yellow Oil

**HPLC Purity** : 99.12 %

**Weight Loss By KF** : 2.98 %

**% Potency** : 96.17 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 2.98(Weight Loss By KF)] x [99.12(HPLC Purity)]/100 = 96.17 %

Remarks : COA Re-generated on 22.04.2024

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		22/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and KF