

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMN001015-05)

**Release Date:** 28/01/2026

**Re-test Date:** 27/01/2029

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

### **Identification**

**Chemical Name :**

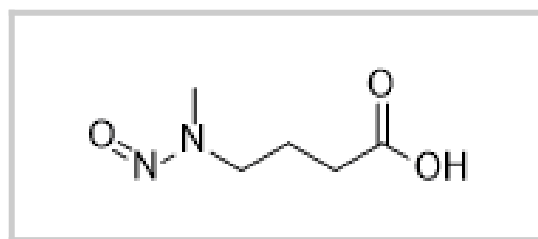
4-(methyl(nitroso)amino)butanoic acid

**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.** : N001015-114-081

**Solubility** : ACN

**Description** : Pale Yellow Oil

**Mass** : Confirm

**HPLC Purity** : 99.76 %

**IR** : Confirm

**Weight Loss By TGA** : 2.91 %

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

**% Potency** : 96.86 %

**<sup>13</sup>C 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 - 2.91(Weight Loss By TGA)] x [99.76(HPLC Purity)]/100 = 96.86 %  
-<sup>13</sup>C NMR added on 28.01.2026

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		29/01/2026

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA