

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMM001211-01)

**Release Date:** 10/12/2025

**Re-test Date:** 09/12/2028

## **Benzyl cyanide**

### **Identification**

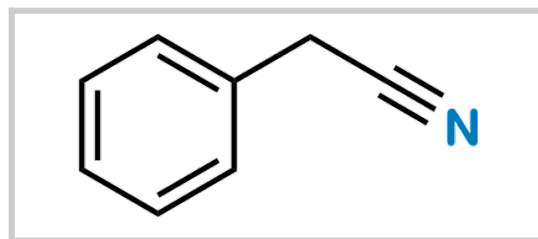
**Chemical Name :**  
2-Phenylacetonitrile

**CAT No.** : KMM001211

**CAS No.** : 140-29-4

**Molecular Formula** : C<sub>8</sub>H<sub>7</sub>N

**Molecular Weight** : 117.2



### **Analytical Information**

**Batch No.** : M001211-114-048

**Description** : Light Yellow Liquid

**GC Purity** : 99.82 %

**Weight Loss By KF** : 0.10 %

**% Potency** : 99.72 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

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

**<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 - 0.10(Weight Loss By KF)] x [99.82(GC Purity)]/100 = 99.72 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		12/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		12/12/2025

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