

CERTIFICATE OF ANALYSIS

(Certificate No. KMM001446-01)

Release Date: 13/03/2025

Re-test Date: 12/03/2028

2-Chloro Benzonitrile

Identification

Chemical Name :
2-chlorobenzonitrile

CAT No. : KMM001446

CAS No. : 873-32-5

Molecular Formula : C7H4ClN

Molecular Weight : 137.57



Analytical Information

Batch No. : M001446-091-251

Description : White Solid

GC Purity : 100.00 %

Weight Loss By TGA : 1.45 %

% Potency : 98.55 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 = $[100 - 1.45(\text{Weight Loss By TGA})] \times [100.00(\text{GC Purity})]/100 = 98.55 \%$

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 17/03/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 17/03/2025 |

Attachments : COA, GC, MASS, ¹H NMR, ¹³C NMR, IR and TGA