# CERTIFICATE OF ANALYSIS

(Certificate No. KMM012008-01)

**Release Date:** 25/03/2026 **Re-test Date:** 24/03/2029

## Memantine USP Related Compound A

## Identification

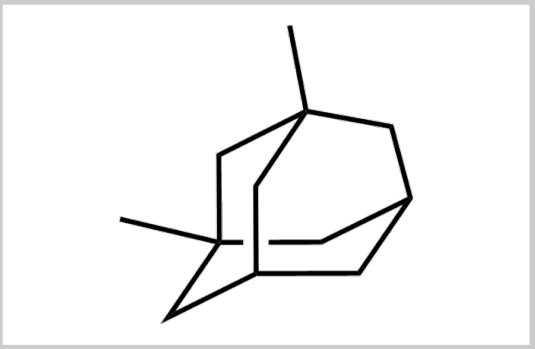
**Chemical Name** :
1,3-Dimethyladamantane

**CAT No.** : KMM012008

**CAS No.** : 702-79-4

**Molecular Formula** : C12H20

**Molecular Weight** : 164.3



## Analytical Information

**Batch No.** : M012008-114

**Description** : Colourless oil

**HPLC Purity** : NLT 95.1 %

**Weight Loss By TGA** : NLT 0.1 %

**% Potency** : 95 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**1H 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 - 0.1(Weight Loss By TGA)] x [95.1(HPLC Purity)]/100 = 95 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 25/03/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 25/03/2026 |

**Attachments** : COA, LC-MS, Mass, 1H NMR, IR and TGA