Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

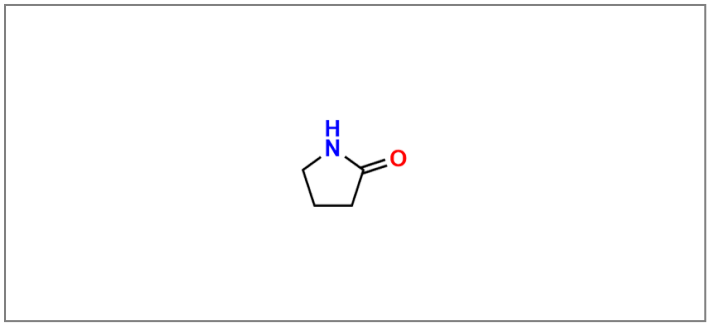
# CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2023 Re-test Date: Nov 2026

**Product Name: Piracetam EP Impurity A**

**Identification:**

Chemical Name: pyrrolidin-2-one




| | | |
|---|---|---|
| Synonyms | : | NA |
| CAS Number | : | 616-45-5 |
| CAT Number | : | CP-P93001 |
| Molecular Formula | : | C4H7NO |
| Molecular Weight | : | 85.11 |
| Batch Number | : | CP-PIR-A-1223 |
| Storage Condition | : | Tightly closed, Inert atmosphere at 2 to 8° C |
| Shipping condition | : | All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA |

**Analytical Information:**

| Sr. No. | Test | Result |
|---|---|---|
| 1) | Description | Colourless Liquid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | Mass Spectrometry | Confirm to structure |
| 4) | Purity By GC | 99.43% |
| 5) | 1HNMR | Confirm to structure |
| 6) | FT-IR | Confirm to structure |
| 7) | Weight loss by TGA | - |
| 8) | Potency | - |

**Prepared and Reviewed By**

Mr. Shubham Bondre
(Quality Control)

**Approved By**

Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.