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

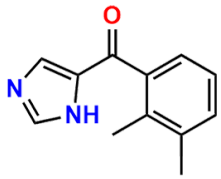
Analysis Date: Re-test Date:

**Product Name: Dexmedetomidine USP Related Compound A**

**Identification:**

Chemical Name: ((2,3-Dimethylphenyl)(1H-imidazol-4-yl)methanone) (as per USP)

| | | |
|---|---|---|
| Synonyms | : | Dexmedetomidine Ketone Impurity |
| CAS Number | : | 91874-85-0 |
| CAT Number | : | CP-M8003 |
| Molecular Formula | : | C12H12N2O |
| Molecular Weight | : | 200.24 |
| 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 | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | Mass Spectrometry | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 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.