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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

Product Name: Lidocaine EP Impurity J

Identification:

Chemical Name: 2-(Diethylamino)-N-(2,5-dimethylphenyl)acetamide Hydrochloride

Synonyms : Lidocaine 2,5-Dimethyl Analog

CAS Number : 1012864-23-1

CAT Number : CP-L20010

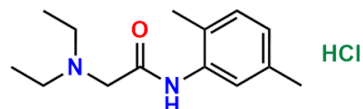
Molecular Formula : C₁₄H₂₂N₂O : HCl

Molecular Weight : 234.34 : 36.46

Batch Number : CP-LID-J-0524

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 | Light Brown Liquid |
| 2) | Solubility | Soluble in DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 99.63% |
| 5) | ¹ HNMR | Confirm to structure |
| 6) | IR | Confirm to structure |
| 7) | Weight loss by TGA | 0.310 % |
| 8) | Potency by TGA | 99.32% |



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

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