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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

Product Name: Lidocaine EP Impurity I

Identification:

Chemical Name: 2-(Diethylamino)-N-(2,4-dimethylphenyl)acetamide Hydrochloride

Synonyms : Lidocaine 2,4-Dimethyl Analog

CAS Number : 17289-54-2

CAT Number : CP-L20009

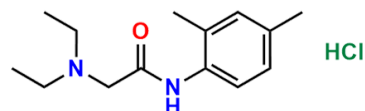
Molecular Formula : C₁₄H₂₂N₂O : HCl

Molecular Weight : 234.34 : 36.46

Batch Number : CP-LID-I-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 to Brown Liquid
2)	Solubility	Soluble in DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.50%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	0.802%
8)	Potency by TGA	91.76%



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.