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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2023

Re-test Date: May 2026

Product Name: Ibuprofen EP Impurity N

Identification:

Chemical Name: (2RS)-2-(4-Ethylphenyl)propanoic acid (as per EP)

Synonyms : Ibuprofen BP Impurity N ; p-Ethylhydratropic Acid

CAS Number : 3585-52-2

CAT Number : CP-I2014

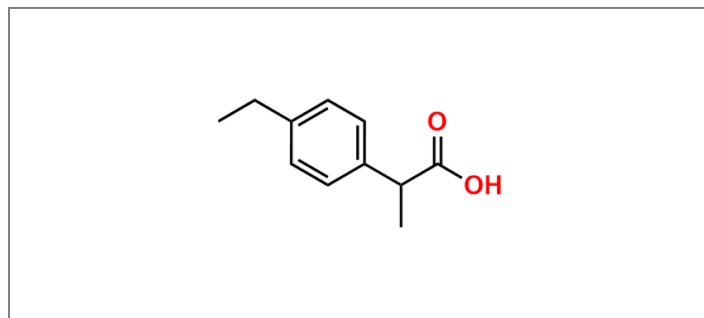
Molecular Formula : C₁₁H₁₄O₂

Molecular Weight : 178.23

Batch Number : CP-IBU-N-0623

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
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.33%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.88%
8)	Potency by TGA	98.45%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By



Ms Rohini Gagare
(QA Head)

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