

CERTIFICATE OF ANALYSIS

(Certificate No. KMI002046-01)

Release Date: 09/05/2026

Re-test Date: 08/05/2029

Ibuprofen Impurity N

Identification

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

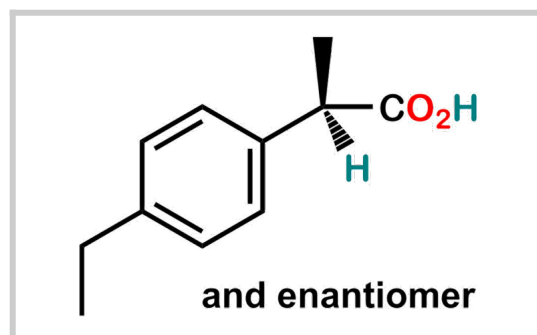
Alt. Name : Ibuprofen BP Impurity N ; p-Ethylhydratropic Acid

CAT No. : KMI002046

CAS No. : 3585-52-2

Molecular Formula : C₁₁H₁₄O₂

Molecular Weight : 178.2



Analytical Information

Batch No. : I002046-114-308

Description : Light Yellow Oil

HPLC Purity : 99.77 %

Weight Loss By TGA : 0.65 %

% Potency : 99.12 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.65(Weight Loss By TGA)] x [99.77(HPLC Purity)]/100 = 99.12 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		09/05/2026

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA