CERTIFICATE OF ANALYSIS

(Certificate No. KMI002034-01)

Release Date: 07/05/2026 **Re-test Date:** 06/05/2029

Ibuprofen Impurity B

Identification

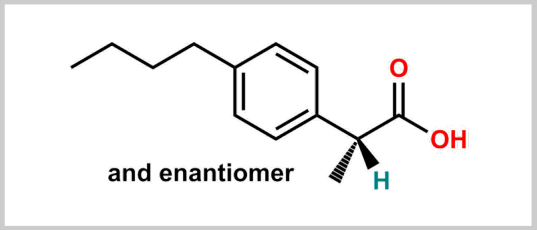
Chemical Name :
(2RS)-2-(4-Butylphenyl)propanoic acid (as per EP)

CAT No. : KMI002034

CAS No. : 3585-49-7

Molecular Formula : C13H18O2

Molecular Weight : 206.3



Analytical Information

Batch No. : I002034-114-307

Description : Light Yellow Liquid

HPLC Purity : 99.40 %

Weight Loss By TGA : 0.98 %

% Potency : 98.43 %

Solubility : ACN

Mass : Confirm as water addduct

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 - 0.98(Weight Loss By TGA)] x [99.40(HPLC Purity)]/100 = 98.43 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		07/05/2026

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