

CERTIFICATE OF ANALYSIS

(Certificate No. KMI002024-01)

Release Date: 29/01/2026

Re-test Date: 28/01/2029

Ibuprofen BPRS

Identification

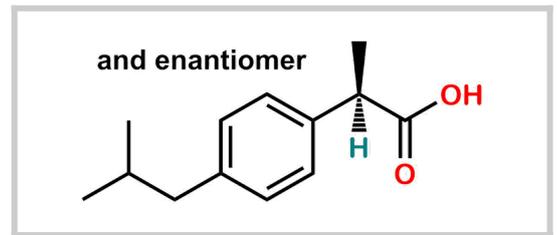
Chemical Name :
(2RS)-2-[4-(2-Methylpropyl)phenyl]propanoic acid (as per EP)

CAT No. : KMI002024

CAS No. : 15687-27-1

Molecular Formula : C₁₃H₁₈O₂

Molecular Weight : 206.3



Analytical Information

Batch No. : I002024-114-126

Description : White Solid

HPLC Purity : 99.83 %

Weight Loss By TGA : 0.05 %

% Potency : 99.78 %

Solubility : ACN

Mass : Confirm as H₂O adduct

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 0.05(Weight Loss By TGA)] x [99.83(HPLC Purity)]/100 = 99.78 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/01/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/01/2026

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA