CERTIFICATE OF ANALYSIS

(Certificate No. KMI002024-02)

Release Date: 05/11/2026 **Re-test Date:** 04/11/2029

Ibuprofen Standard

Identification

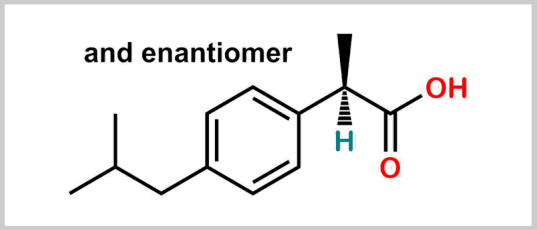
Chemical Name :
(2RS)-2-[4-(2-Methylpropyl)phenyl]propanoic acid (as per EP)

CAT No. : KMI002024

CAS No. : 15687-27-1

Molecular Formula : C13H18O2

Molecular Weight : 206.3



Analytical Information

Batch No.	: I002024-136-336	**Solubility**	: Acetonitrile
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.63 %	**IR**	: Confirm
Weight Loss By TGA	: 0.01 %	**1H NMR**	: Confirm
% Potency	: 99.62 %	**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 - 0.01(Weight Loss By TGA)] x [99.63(HPLC Purity)]/100 = 99.62 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/11/2026
Reviewed & Approved By	Quality Control	Jatin Patel		05/11/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA