CERTIFICATE OF ANALYSIS

(Certificate No. KMI002032-01)

Release Date: 22/05/2026 **Re-test Date:** 21/05/2029

Ibuprofen Impurity A

Identification

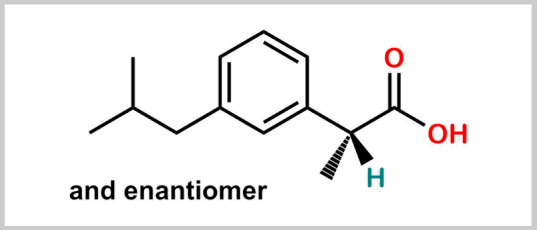
Chemical Name :
(2RS)-2-[3-(2-methylpropyl)phenyl]propanoic acid (as per EP)

CAT No. : KMI002032

CAS No. : 66622-47-7

Molecular Formula : C13H18O2

Molecular Weight : 206.3



Analytical Information

Batch No.	: I002032-114-340	**Solubility**	: Acetonitrile
Description	: Light Yellow Liquid	**Mass**	: Confirm
HPLC Purity	: 96.81 %	**IR**	: Confirm
Weight Loss By TGA	: 2.62 %	**1H NMR**	: Confirm
% Potency	: 94.27 %		

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 - 2.62(Weight Loss By TGA)] x [96.81(HPLC Purity)]/100 = 94.27 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/05/2026
Reviewed & Approved By	Quality Control	Jatin Patel		22/05/2026

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