

CERTIFICATE OF ANALYSIS

(Certificate No. KMI002042-01)

Release Date: 23/03/2023

Re-test Date: 22/03/2026

Ibuprofen Related Compound J

Identification

Chemical Name :

(2RS)-2-[4-(2-Methylpropanoyl)phenyl]propanoic acid (as per EP)

Alt. Name : Ibuprofen USP Related Compound J ;
Ibuprofen BP Impurity J ; 1-Oxo
Ibuprofen

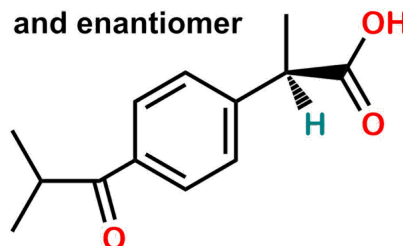
CAT No. : KMI002042

CAS No. : 65813-55-0

Molecular Formula : C₁₃H₁₆O₃

Molecular Weight : 220.3

and enantiomer



Analytical Information

Batch No. : IBU-RC-J-045-089

Description : White Solid

HPLC Purity : 99.93 %

Weight Loss By TGA : 0.57 %

% Potency : 99.36 %

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 - 0.57(Weight Loss By TGA)] x [99.93(HPLC Purity)]/100 = 99.36 %

Remarks : COA Re-generated on 13.11.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/11/2024
Reviewed & Approved By	Quality Control	Jatin Patel		13/11/2024

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