

CERTIFICATE OF ANALYSIS

(Certificate No. KMP004064-02)

Release Date: 03/10/2025

Re-test Date: 02/10/2028

3-Isobutylglutaric Acid

Identification

Chemical Name :

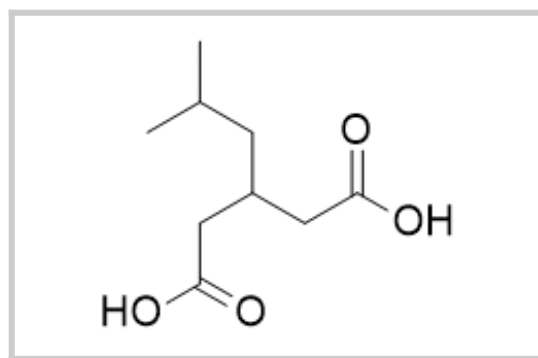
3-Isobutylglutaric Acid ; 3-isobutylpentanedioic acid

CAT No. : KMP004064

CAS No. : 75143-89-4

Molecular Formula : C₉H₁₆O₄

Molecular Weight : 188.2



Analytical Information

Batch No. : P004064-102-307

Description : Light Yellow Liquid

HPLC Purity : 94.45 %

Weight Loss By TGA : 1.20 %

% Potency : 93.32 %

Solubility : Acetonitrile

Mass : Confirm

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 - 1.20(Weight Loss By TGA)] x [94.45(HPLC Purity)]/100 = 93.32 %

-¹³C NMR added on 04.12.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		13/12/2025

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