# CERTIFICATE OF ANALYSIS

(Certificate No. KMP004064-03)

**Release Date:** 20/05/2026 **Re-test Date:** 19/05/2029

## 3-ISOBUTYL GLUTARIC ACID

## Identification

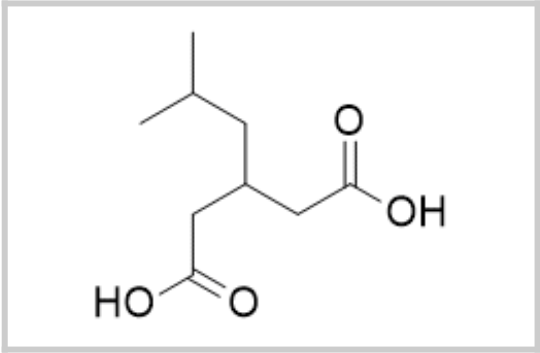
**Chemical Name** :
3-Isobutylglutaric Acid ; 3-isobutylpentanedioic acid

**CAT No.** : KMP004064

**CAS No.** : 75143-89-4

**Molecular Formula** : C9H16O4

**Molecular Weight** : 188.2




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : P004064-114-339 | **Solubility** | : ACN |
| **Description** | : White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 98.18 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 2.14 % | **1H NMR** | : Confirm |
| **% Potency** | : 96.08 % | **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 - 2.14(Weight Loss By TGA)] x [98.18(HPLC Purity)]/100 = 96.08 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 20/05/2026 |
| **Reviewed & Approved By** | Quality Control | Parag Vekariya | | 20/05/2026 |

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