

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM001028-01)

Release Date: 06/08/2024

Re-test Date: 05/08/2027

## 4-Chloro-3-Oxobutanoic Acid

### Identification

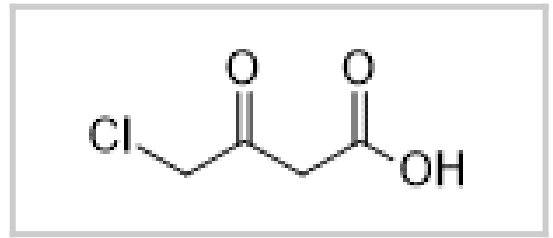
Chemical Name :  
4-chloro-3-oxobutanoic acid

CAT No. : KMM001028

CAS No. : 27807-84-7

Molecular Formula : C<sub>4</sub>H<sub>5</sub>ClO<sub>3</sub>

Molecular Weight : 136.53



### Analytical Information

Batch No. : 4-CHL-3-OXO-073-317

Description : Off White Low Melting Solid

HPLC Purity : 97.26 %

Weight Loss By TGA : 1.73 %

% Potency : 95.58 %

Solubility : ACN

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 1.73(Weight Loss By TGA)] x [97.26(HPLC Purity)]/100 = 95.58 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		06/08/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA