

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM001028-01)

Release Date: 06/08/2024

Re-test Date: 05/08/2027

## 4-Chloro-3-Oxobutanoic Acid

### Identification

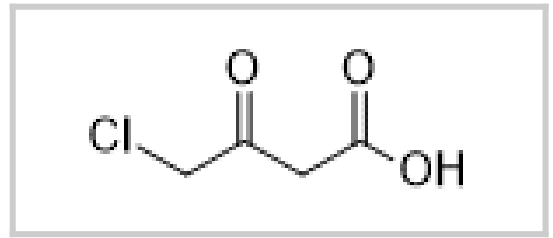
**Chemical Name :**  
4-chloro-3-oxobutanoic acid

**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
<b>Prepared By</b>	Analytical	Jignesh Patel		06/08/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		06/08/2024

**Attachments :** COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA