

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG047014-02)

Release Date: 18/12/2024

Re-test Date: 17/12/2027

## L-Pyroglutamic Acid

### Identification

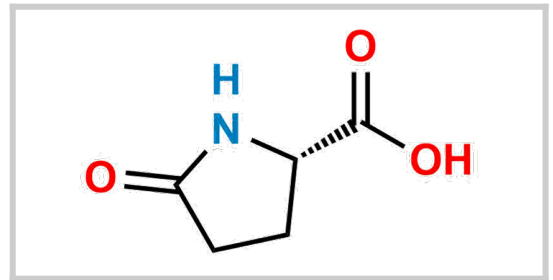
**Chemical Name :**  
(S)-5-Oxopyrrolidine-2-carboxylic acid

**CAT No.** : KMG047014

**CAS No.** : 98-79-3

**Molecular Formula** : C<sub>5</sub>H<sub>7</sub>NO<sub>3</sub>

**Molecular Weight** : 129.1



### Analytical Information

**Batch No.** : G047014-091-087

**Description** : Off White Solid

**HPLC Purity** : 99.82 %

**Weight Loss By TGA** : 1.83 %

**% Potency** : 97.99 %

**Solubility** : Water

**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 - 1.83(Weight Loss By TGA)] x [99.82(HPLC Purity)]/100 = 97.99 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		20/12/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		20/12/2024

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