

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG047014-02)

Release Date: 18/12/2024

Re-test Date: 17/12/2027

## L-Pyroglutamic Acid

### Identification

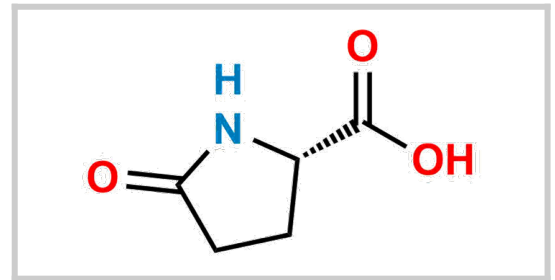
**Chemical Name :**  
(S)-5-Oxopyrrolidine-2-carboxylic acid

**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
Prepared By	Analytical	Jignesh Patel		20/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		20/12/2024

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