Actives

BEAUTICS LABORATORIES

**CERTIFICATE OF ANALYSIS**

# Zinc Pyrrolidone Carboxylate (Zn-PCA)

**CAT NO.** EG-RM-ZPCA-1-1 Kg

**BATCH NO.** PLG-AAD003-2601

**STABILITY**
Date of Manufacture: 27/06/2026
Re-Test Before: 28/06/2028

**DESCRIPTION** White to light cream fine powder

| AVAILABLE ON REQUEST | |
|---|---|
| **MICROBIOLOGICAL ANALYSIS** | |
| Total Bacterial Count | Salmonella spp. |
| Bile-tolerant Gram-negative | S. Aureus |
| Bacteria E. coli | Yeasts and Molds |
| **OTHER ANALYSIS** | |
| Heavy Metals | Allergens |
| Salts and Ashes | Fats |
| Carbohydrates | Solubility |

**TRANSPORTATION** Ingredients don't need refrigeration during transportation for 24 hours with avoidance of direct sunlight.

**STORAGE AND SHELF-LIFE** Min. 24 months if stored dry in closed original packing at 15–25°C, sealed, away from light and humidity.
Rapid and substantial changes in ambient temperatures during storage and handling.

**PACKAGING** 250 gm, 500 gm, 1 kg packages
(Bulk Amounts Available on Request)




**CHEMICAL CHARACTERISTICS**

| Active Ingredients | Specs. | Method | Result |
|---|---|---|---|
| Assay as (Zn-PCA) | ≥98.0% (HPLC) | MOA-HPLC-04 | Conforms |
| Identity (LC-MS) | Matches theoretical MW ± 0.5 Da (325.59 g/mol) | MOA-LC-ESI-MS-05, positive mode | Conforms (325.59 g/mol) |
| Moisture | ≤2% (KF) | In house-MOA-MOIST-05 | 1% |
| Solubility in water | Soluble | In house-MOA-SOL-03 | Conforms |
| PH | 5.5–7.0 | In house-MOA-PH-07 | 5.5 |
| Odor | Odorless | In house-MOA-ODR-06 | Conforms |
| Color | White to light cream | In house-MOA-OVL-06 | Conforms |
| **In-active Ingredients** | **E-number** | **Specs** | **Function** |
| Potassium Sorbate | E 202 | In-house | preservatives |

**Submission and Validation**

| Submitted by: | Reviewed by: | Approved by: |
|---|---|---|
| Mazen Selim | Rahma Hassan | Hana Ayman |
| Document Controller Specialist | Senior technical Specialist | Technical Executive |