

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

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 (Adenosine)	≥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

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



Submission and
Validation

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