

CERTIFICATE OF
ANALYSIS**L-Pyrrolidone Carboxylic Acid
(PCA)**

CAT NO.

EG-RM-PCA-1-250 gm

BATCH NO.

PLG-AAD001-2601

STABILITY

Date of Manufacture: 27/04/2026

Re-Test Before: 28/04/2028

DESCRIPTION

White to off-white crystalline 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 temperature 15-25°C.
Sealed, protect from light and moisture.
Rapid and substantial changes in ambient temperatures during storage and handling.

PACKAGING

250 gm, 500 gm, 1Kg 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 (129.11 g/mol)	MOA-LC-ESI-MS-05, positive mode	Conforms (129.11 g/mol)
Moisture	≤0.5% (KF)	In house-MOA-MOIST-05	0.2%
Solubility in water	Soluble	In house-MOA-SOL-03	Conforms
PH	2.1–2.5	In house-MOA-PH-07	2.1
Odor	Odorless	In house-MOA-ODR-06	Conforms
Color	White to off-white	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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