

CERTIFICATE OF
ANALYSISSodium Pyrrolidone Carboxylate
(Na-PCA)

CAT NO.

EG-RM-NPCA-1-1 L

BATCH NO.

PLG-AAD002-2601

STABILITY

Date of Manufacture: 27/05/2026

Re-Test Before: 28/05/2028

DESCRIPTION

Clear transparent semi-viscous liquid

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 <25°C, moisture-resistant container; highly hygroscopic — store desiccated.

Rapid and substantial changes in ambient temperatures during storage and handling.

PACKAGING

1 L 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 (151.10 g/mol)	MOA-LC-ESI-MS-05, positive mode	Conforms (151.10 g/mol)
Moisture	≤1% (KF)	In house-MOA-MOIST-05	1%
Solubility in water	Soluble	In house-MOA-SOL-03	Conforms
PH	6.5–7.5	In house-MOA-PH-07	6.5
Odor	Odorless	In house-MOA-ODR-06	Conforms
Color	Clear transparent	In house-MOA-OVL-06	Conforms
In-active Ingredients	E-number	Specs	Function
Potassium Sorbate	E 202	In-house	preservatives

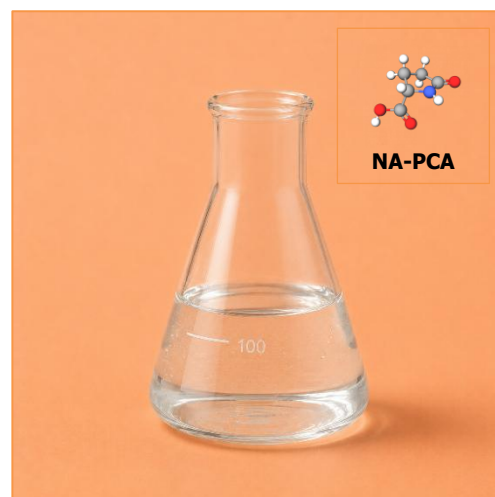
AVAILABLE ON REQUEST

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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