



ASPARTAME REGULAR POWDER (RP)

DESCRIPTION

- Name: Aspartame
- Formula: C₁₄H₁₈N₂O₅
- Molecular Weight: 294.31
- CAS No. : 22839-47-0
- E-number: E951
- Aspartame is a white, crystalline powder or granular material that has a clean, sweet taste, it is approximately 200 times sweeter than sugar.

SUGGESTED USES

- Beverages
- Dry Mixes
- Yogurts
- Ice Cream
- Desserts

PRODUCT SPECIFICATIONS

Identification test	Conform to requirements
Assay (dried basis)	98.0% to 102.0%
Loss on drying	≤ 4.5%
Specific rotation	14.5 °to 16.5°
Residue on ignition	≤ 0.2%
pH(0.8% solution)	4.5-6.0
Transmittance	≥ 95%
Diketopiperazine	≤ 1.5%
Residual Solvents	Meet the requirements
Other related substances	≤ 2.0%
Heavy metals (as Pb)	≤10 ppm
Arsenic	≤3 ppm
Lead	≤1 ppm
Particle Size	Through 100 mesh ≥ 90%

PACKAGING

- 25-kg cardboard drums with one or two PE liner bags, or otherwise agreed upon.

SHIPPING AND HANDLING

- Recommended to be stored in an odor-free environment. Low humidity conditions are recommended to minimize caking/degradation potentials.

STORAGE

- Aspartame should be stored in a cool, dry ambient environment. Avoid high heat.

SHELF LIFE

- The shelf life of this material is 3 years from the date of manufacture if stored in ambient room temperature conditions. Product should be reevaluated if it exceeds expiration date.

NUTRITIONAL DATA:

- Aspartame is chemically pure and contains no additives, preservatives or colors.

Nutrient	Per 100 grams
Water(g)	4.5
Protein(g)*	95.3
L-Phenylalanine(g)	53.5
All Fats(g)	0
Ash(g)	< 0.2
Calories(kcal)	381
Carbohydrates(g)	0
Sugar(g)	0
Dietary Fiber(g)	0
Cholesterol (mg)	0
Calcium(mg)	< 2
Iron(mg)	< 2
Potassium(mg)	< 10
Sodium(mg)	≤ 30
Vitamins	0

Calculated from standard or analytical data on Aspartame.
 Zero values are based on knowledge of raw materials used in processing.
 Aspartame is a dipeptide which is digested and metabolized like a simple protein.