



TECHNICAL DATA SHEET

Product Name: Aspartame

Synonyms: L- α -Aspartyl-L-phenylalanine methyl ester

Appearance: White Crystalline Powder

Molecular formula: C₁₄H₁₉NO₅

CAS number: 22839-47-0

HS CODE: 29242990

TYPICAL SPECIFICATIONS

Description		White Granular
Assay	%	98.0-102.0
Specific Rotation		+14.5°- +16.5°
Transmittance	≥%	95
Arsenic(mg/kg)	≥%	3
Losing on drying	≤%	4.5
Heavy metals(Pb)	≤%	0.001
PH Value	≤	4.5-6.0
Arsenic(As)	≤%	0.0003
Phenylalanine	≤%	0.5
Total Aerobic Count(CFU/g)	≤	100
Yeast and Mold(CFU/g)	≤	100

APPLICATIONS

Food & Beverages: Used as a low-calorie sweetener in beverages, candies, ice cream, desserts, etc.

Pharmaceuticals: Used in some medications as a sweetening agent.

Chewing Gum: Used as a sweetener in sugar-free chewing gum.

PACKAGING

25 kg PP woven bags with PE liner
25 kg kraft paper bags
1000 kg jumbo bags
Custom packaging available upon request

STORAGE & HANDLING

Storage: Keep in a cool, dry, and well-ventilated area, away from moisture and direct sunlight.

Handling precautions: Aspartame should be handled gently, as it can be easily damaged or degraded if subjected to excessive heat or moisture.

Shelf life: 2 years under proper storage conditions.

SAFETY & TRANSPORT

Classification: Non-hazardous

Toxicity: Aspartame is safe for most, but PKU patients should avoid it, and excessive **intake** should be avoided to prevent mild side effects.

Transport: Not classified as dangerous goods

