



Aspartame

Chemical Name: N-L-alpha-Aspartyl-L-phenylalanine-1-methyl ester

Molecular Formula: $C_{14}H_{18}N_2O_5$

Molecular Weight: 294.31

Description:

Aspartame is a high intensity sweetener also identified as N-L-alpha-Aspartyl-L-phenylalanine-1-methyl ester. It is a dipeptide composed of two amino acids, L-aspartic acid and L-phenylalanine. These constituents are found in everyday foods and are metabolized by the human body. Niutang Aspartame has a clean sweet taste that is approximately 200-300 sweeter than sugar. It is ratified for use in over 130 countries and regions around the world. Aspartame can be found in over 4000 different types of food and beverages.

Suggested Usage/Applications:

- Fruit Juices
- Yogurt Drinks
- Hot Cocoa Mixes
- Carbonated Soft Drinks
- Confectionaries
- Table Top
- Yogurt
- Powdered Soft Drinks

Specification:

Test Item	Specification
Appearance	White Crystal or Crystalline Powder
Purity (on dry basis)	98.0 % ~ 102.0%
Loss on Drying (105°C 4hr)	≤ 4.5%
Residue on Ignition (sulfate)	≤ 0.2%
pH	4.5 ~ 6.0
Specific Rotation $[\alpha]_D^{20}$	+14.5° ~ +16.5°
Arsenic	≤ 3mg/kg
Heavy Metals (as Pb)	≤ 10mg/kg
Transmittance	≥ 0.95

Niutang Aspartame meets all the requirements of the current FCC, USP/NF, JECFA, EP and JP.

For more details on our Aspartame products please visit our website at www.niutang.com or use the QR Code on your Smartphone:

