



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. NiuSource 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
- ▶ Confectioneries
- ▶ Table Top
- ▶ Yogurt
- ▶ Powdered Soft Drinks

TEST ITEM

SPECIFICATION

Appearance	White Crystal Granular 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[α]	+14.5° ~ +16.5°
Arsenic	≤ 3mg/kg
Heavy Metals (as Pb)	≤ 10mg/kg
Transmittance	≥ 0.95

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



✉ **Office** (909) 631-2895
FAX (909) 631-2309
Email Sales@NiuSource.com

📍 **14266 Euclid Avenue**
Chino, California 91710

www.NIUsource.com