



NEOTAME

CHEMICAL NAME | N-[N-(3,3-Dimethylbutyl)-L- α -Aspartyl]-L-Phenylalanine 1-Methyl Ester

MOLECULAR FORMULA | $C_{20}H_{30}N_2O_5$

MOLECULAR WEIGHT | 378.47

DESCRIPTION | Neotame is a high intensity sweetener that is approximately 7,000-13,000 times sweeter than Sucrose. It has a clean, sweet taste and is derivative of the dipeptide from aspartic acid and phenylalanine. These constituents are found in everyday foods and are metabolized by the human body. Neotame does not require any special labeling and has been approved for us in over 50 countries. Neotame also can be used as a flavor enhancer to extend and enhance certain tastes and flavors in specific applications. Neotame is sparingly soluble in water and very soluble in Alcohol.

SUGGESTED USAGE/APPLICATIONS

- ▶ Beverages
- ▶ Chewing Gum
- ▶ Baked Goods
- ▶ Frozen Desserts
- ▶ Cereal
- ▶ Nutritional Supplements
- ▶ Tabletop Sachets

TEST ITEM

SPECIFICATION

Appearance

White Powder

Assay (on Dry Basis)

97.0% ~ 102.0%

Moisture

$\leq 5.0\%$

Residue on Ignition/ Sulfated Ash

$\leq 0.2\%$

pH (0.5% Solution)

5.0 – 7.0

Specific Rotation [α]

-43.4 to -40.0°

Lead

$\leq 1\text{ppm}$

NiuSource Neotame meets all the requirements of the current FCC, USP/NF and JECFA.



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