

Neotame

DESCRIPTION

Neotame is N-[N-(3,3-dimethylbutyl)-L-aspartyl]-L-phenylalanine 1-methyl ester. It is a white, crystalline powder that has a sweet taste. It is sparingly soluble in water and very soluble in alcohol. The pH of a 0.5% solution is between 5.0 and 7.0. Neotame has a clean, sweet taste that is approximately 8,000- 14,000 times sweeter than sugar.

Formula: $C_{20}H_{30}N_2O_5$
CAS: 165450-17-9

Molecular Weight: 378.47
Flashpoint: Not Applicable

SUGGESTED USES

Beverages, Tabletop Sweeteners, Baked Goods, Dry Mixes, Yogurts, Ice Cream, and Cereals.

SPECIFICATIONS

Test Item	Specification
Identification	Meets Requirements
Assay (on dry basis)	97.0% to 102.0%
Moisture	≤ 5.0%
Residue on Ignition / Sulphated Ash	≤ 0.2%
Optical (Specific) Rotation	-43.4° and -40.0°
pH (0.5% Solution)	5.0~7.0
Lead	≤ 1 ppm

FORMS

Powder

PACKAGING

20-kg cardboard drums with two PE liner bags or as otherwise agreed upon.

SHIPPING & HANDLING

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

STORAGE

Neotame should be stored in a cool, dry ambient environment. Avoid high heat. Recommended storage conditions are 59° to 86° F (15° - 30° C) and 35% to 60% relative humidity.

SHELF LIFE

The shelf life of this material is 5 years from the date of manufacture if stored in recommended conditions. Product should be reevaluated if it exceeds expiration date.

This material is Kosher, Pareve and Halal Certified.

