

Neotame

INCI Name: Neotame

CAS Numbers: 165450-17-9



Description:

Neotame is a sweet, white to off-white powder, with none to slight characteristic odor. It is sparingly soluble in water and very soluble in alcohol and ethyl acetate.

Neotame is an artificial sweetener that is between 7,000 and 13,000 times sweeter than sucrose. It is moderately heat-stable, extremely potent, rapidly metabolized, completely eliminated and does not appear to accumulate in the body. Its use greatly lowers the cost of production compared to using sugar or high fructose corn syrup while also benefitting the consumer by providing fewer "empty" sugar calories and a lower impact on blood sugar.

Technical Data:

DETERMINATION	ACCEPTANCE CRITERIA
Identification by Infrared	Conforms to Standard
Assay (dry basis)	97.0 to 102.0 %
Specific Rotation (20C dried basis)	-43.4 to -40.0 degrees
N-[N-(3,3-Dimethylbutyl)-L-alpha-Aspartyl]-L-Phenylalanine	NMT 1.5 %
Other Related Substances	NMT 2.0%
Water	NMT 5.0 %
Lead	NMT 1 mg/kg
Arsenic	NMT 3 mg/kg
Residue on Ignition	NMT 0.2 %
pH (0.5% solution)	5.0 to 7.0
Residual Solvents	Pass **
Aerobic Plate Count	NMT 250 per gram
Coliforms	NMT 10 per gram
Fungi (Yeast and Mold)	NMT 100 per gram
Microorganisms of Public Health Concern	None Detected **
Melting Point	80 to 83 °C

Applications:

Neotame is used as a sweetener for foods.



McKinley Resources, Inc.

P.O. Box 810472 • Dallas, TX 75381

Phone: 972-620-9730 • Fax: 972-421-1860

info@mckinleyresources.com • www.mckinleyresources.com