



Changzhou Guanghui Food Ingredients Co., Ltd.

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Tel.: +86 571 88796269 Manufactured by: Xinjiang Suyuan Biological Engineering Co.,Ltd.

Certificate of Analysis

Gsweet Aspartame is a nutritive sweetener that contains 2 amino acids, metabolized like the food protein. It is a white, crystalline substances, about 200 times sweeter than sugar. It is an odorless, low-calorie intensive sweetener.

Gsweet Aspartame is GMO free and BSE free. It is widely used in products like table-top sweeteners, soft drink, instant coffee, frozen milk, candy and gum, yogurt, desserts and condiments.

Contract No.:GH21CZBHAC001

Analysis Date: 2021-06-11

Product: Gsweet Aspartame Powder	Chemical Name: N-L-a-Aspartyl-L-Phenylalanine Methyl Ester	
Batch No.: 210610-01 RP	Quantity: 1000KG	
Manufacture Date: 2021-06-10	Expiration Date: 2024-06-09	
Test Item	Specification	Result/ Remarks
Appearance	White crystalline powder	White crystalline powder
Assay	98.0-102.0 %	99.50 %
Specific Rotation $[\alpha]_D^{20}$	+14.50°~+16.50°	+15.40°
Loss on Drying	≤ 4.50 %	3.85 %
Residue On Ignition (Sulphate Ash)	≤ 0.20 %	0.07 %
pH (0.8% w/v in water)	4.50 - 6.00	5.32
Diketopiperazine (DKP) 5-benzyl-3,6-dioxo-2-Piperazineacetic acid	≤ 1.5 %	< 1.5 %
Other Related Substances Chromatographic impurities	≤ 2.0 %	< 2.0 %
Transmittance	≥ 0.95	0.994
Heavy Metals (as Pb)	≤ 10 mg/kg	< 10 mg/kg
Arsenic (as As)	≤ 3 mg/kg	< 3 mg/kg
Lead	≤ 1 mg/kg	< 1 mg/kg
Residual Solvents	Meet the requirements	Conform
Particle Size	100 Mesh	Conform
Packaging	25kg net weight cardboard drums with 2 inner bags.	
Storage	Store under a cool, dry ambient environment. Avoid high heat.	
Conclusion	Meet the requirements set forth by the current FCC&USP.	

Inspected by: Juxiang Zhu

Reviewed by: Weili Ju

Approved by: Jing Zhao

