



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

