



SinoSweet Co., Ltd.

Quality Control Department

Certificate of Analysis

Product Name: SinoSweet® Aspartame

Batch No: 25012102

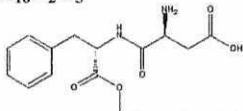
Analysis Date: Jan. 22, 2025

Mfg. Date: Jan. 21, 2025

Expiration Date: Jan. 20, 2028

SinoSweet® Aspartame is an odorless, low-calorie intensive sweetener. It is chemically pure and contains no additives, preservatives, or colors. SinoSweet® Aspartame is GMO free and BSE free. It is widely used in products like table-top sweeteners, carbonated beverages, jams, instant coffee, frozen milk products, chewing gums and salad dressings. Aspartame is available in different grades, such as powder, granules, troche and liquid.

Physical and Chemical Tests

Product Grade		SinoSweet® Aspartame (Regular Powder)	
Structure	C₁₄H₁₈N₂O₅ 	CAS №	22839-47-0
		Quantity	6500kg
		Source of Product	From the package in workshop
Inspection Standard		FCCXII/USP 43/E951	
Parameter		Specification	Test Result / Remarks
Appearance		White crystalline Powder	White crystalline Powder
Assay (Titrimetric)		98.0% to 102.0% (dried basis) w/w	99.2%
Specific Rotation [α] _D ²⁰		+14.5° to +16.5°	+15.14°
Loss on Drying		≤4.5%	2.84%
Residue on Ignition (Sulphated Ash)		≤0.2%	0.16%
Diketopiperazine(DKP) (5-Benzyl-3, 6-Dioxo-2-Piperazineacetic Acid)		≤1.5% w/w	0.09%
Residual Solvents		In Conformity with USP	Conforms
Other Related Substances		≤2.0% w/w	1.53%
Transmittance		≥95.0%	99.2%
Heavy Metals (as Pb)		≤10 mg/kg	0.06 mg/kg
Lead		≤1 mg/kg	0.01 mg/kg
pH		4.5 to 6.0 units	5.12
Particle Size		80% through 100 mesh	92%
Packaging/Shipping	◆ 25 kg net weight fiber drums with inner liner ; ◆ Custom packaging is available upon request ; ◆ Transportation: Non-hazardous.		
Storage	Store under dry and cool condition, and keep product air-tight.		
Conclusion	The product meets the requirements of FCCXII/USP 43/E951.		

Inspected

by: 钱郁

Checked

by: 谈修华

Person

in Charge: 王芳



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