

# SINOSWEET

SinoSweet Co., Ltd.

Quality Control Department

## Certificate of Analysis

Product Name: SinoSweet® Aspartame

Batch №: W21092814

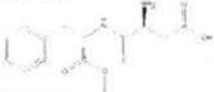
Analysis Date: Sept. 28, 2021


Mfg. Date: Sept. 28, 2021

Expiration Date: Sept. 27, 2024

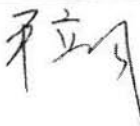
SinoSweet® Aspartame is an odorless, low-calorie intensive sweetener. It is chemically pure and contains no additives, preservatives, or colors. SinoSweet® Aspartame is GMO free and BSE free. It is widely used in products like table-top sweeteners, carbonated beverages, jams, instant coffee, frozen milk 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 (Fine Granular)	
Structure	<chem>C14H18N2O5</chem> 	CAS №	22839-47-0
		Quantity	4000kg
		Source of Product	From the package in workshop
Inspection Standard		FCC VIII/USP 34/E951	
Parameter		Specification	Test Result / Remarks
Identification		Conform to standard	Conforms
Appearance		White crystalline Granular	White crystalline Granular
Solubility		Sparingly soluble in water and ethanol	Conforms
Assay (Titrimetric)		98.0% to 102.0% (dried basis) w/w	99.5%
Specific Rotation $[\alpha]_D^{20}$		+14.5° to +16.5°	+15.18°
Loss on Drying		≤4.5%	3.22%
Residue on Ignition (Sulphated Ash)		≤0.2%	0.05%
Diketopiperazine(DKP) (5-Benzyl-3, 6-Dioxo-2-Piperazineacetic Acid)		≤1.5% w/w	0.21%
Residual Solvents		In Conformity with USP	Conforms
Other Related Substances		≤2.0% w/w	0.92%
Transmittance		≥95.0%	99.2%
Heavy Metals (as Pb)		≤10 mg/kg	<10 mg/kg
Arsenic (As)		≤3 mg/kg	<3 mg/kg
Lead		≤1 mg/kg	<1 mg/kg
pH		4.5 to 6.0 units	5.14
Particle Size		60-100 mesh	Conforms
Packaging/Shipping	<ul style="list-style-type: none"> <li>◆ 25 kg net weight fiber drums with inner liner ;</li> <li>◆ Custom packaging is available upon request ;</li> <li>◆ Transportation: Non-hazardous.</li> </ul>		
Storage	Store under dry and cool condition, and keep product air-tight.		
Conclusion	The product meets the requirements of FCC VIII/USP 34/E951.		

Inspected  
by: 

Checked  
by: 

Person  
in Charge: 

Address: Yangzhu, Dingshu Town, Yixing, Jiangsu 214226, China  
Tel: (+86510) 87454202; Fax: (+86510) 87454201  
E-mail: sales@sinosweet.com  
Website: www.sinosweet.com