



SinoSweet Co., Ltd.

Quality Control Department

Certificate of Analysis

Product Name: SinoSweet® Aspartame

Batch No: 17040702

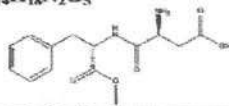
Analysis Date: Apr. 7, 2017

Mfg. Date: Apr. 7, 2017

Expiration Date: Apr. 6, 2020

SinoSweet® Aspartame is an odorless, low-caloric 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	<chem>C14H18N2O5</chem> 	CAS No	22839-47-0
		Quantity	1000kg
		Source of Product	From the package in workshop
Inspection Standard		FCCVII/USP 32/E951	
Parameter	Specification	Test Result / Remarks	
Identification	Conform to standard	Conforms	
Appearance	White crystalline Powder	White crystalline Powder	
Solubility	Sparingly soluble in water and ethanol	Conforms	
Assay (Titrimetric)	98.0% to 102.0% (dried basis) w/w	99.57%	
Specific Rotation $[\alpha]_D^{20}$	+14.5° to +16.5°	+15.30°	
Loss on Drying	≤4.5%	3.40%	
Residue on Ignition (Sulphated Ash)	≤0.2%	0.11%	
Diketopiperazine(DKP) (5-Benzyl-3, 6-Dioxo-2-Piperazineacetic Acid)	≤1.5% w/w	0.07%	
Residual Solvents	In Conformity with USP	Conforms	
Other Related Substances	≤2.0% w/w	0.83%	
Transmittance	≥95.0%	98.9%	
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	5.09	
Particle Size	80% through 100 mesh	Conforms	
Packaging/Shipping	<ul style="list-style-type: none"> ◆ 25kg 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 FCCVII/USP 32/E951.		

Inspected by: 张耀军

Checked by: 张耀军

Person in Charge: [Signature]



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