

PREMIUM INGREDIENT CO.,LTD

Dongsheng Rd, Tianan Cyber park, High tech industrial development zone, Jiangyin City,
Jiangsu Province, China

Certificate of Analysis

Analysis Date:2022-02-02

Product: Aspartame Powder		Chemical Name: N-L-a-Aspartyl-L-Phenylalanine Methyl Ester	
Batch No.: 2203002RP		Quantity: 2500KG	
Manufacture Date:2022-02-01		Expiration Date:2025-01-31	
Test Item		Specification	Result/ Remarks
Appearance		White crystalline powder	White crystalline powder
Assay		98.0-102.0 %	99.20 %
Specific Rotation $[\alpha]_D^{20}$		+14.50°~+16.50°	+15.30 °
Loss on Drying		≤ 4.50 %	2.43 %
Residue On Ignition (Sulphate Ash)		≤ 0.20 %	0.08 %
pH (0.8% w/v in water)		4.50 - 6.00	5.17
Diketopiperazine (DKP) 5-benzyl-3,6-dioxo-2-Piperazineacetic acid		≤ 1.5 %	< 1.5 %
Other Related impurities Chromatographic purity		≤ 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