



Certificate of Analysis

Aspartame Powder

Product: Gsweet Aspartame Super Fine Powder	Chemical Name: N-L-a-Aspartyl-L-Phenylalanine Methyl Ester
Batch No: 2411018RP	Quantity:
Mfg Date: 18/11/2024	Exp Date: 17/11/2027

Test Item	Specification	Result/ Remarks
Appearance	White crystalline powder	White crystalline powder
Particle Size	300 Mesh	Conform
Assay	98.0-102.0%	99.30%
Specific Rotation	+14.50 - +16.50	+15.40
Loss on Drying	≤ 4.50%	3.90%
Residue on Ignition (Sulphate Ash)	≤ 0.20%	0.04%
ph (0.8% w/v in water)	4.50 - 6.00	5.27
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	0.993
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