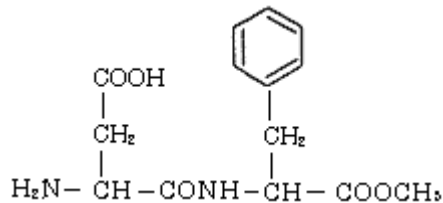


Specification Sheet

Product name	Vitasweet [®] Aspartame powder (E951)
Synonyms	Aspartyl Phenylalanine Methyl Ester, APM
Chemical name	N-L- α -Aspartyl-L-Phenylalanine-1-Methyl Ester
C.A.S. number	22839-47-0
Chemical formula	C ₁₄ H ₁₈ O ₅ N ₂
Structural formula	



Molecular weight	294.31
Description	Odorless, sweet and white crystalline powder
Functional use	High potency-low caloric sweetener
Method and tests	The product is tested according to FCC 10, EP9, USP41 and NF36

• Identification	Passes test
• Assay	98.0% ~ 102.0%
• Specific rotation	+14.5 ~ +16.5 °
• Transmittance	≥95.0 %
• Loss on drying	≤ 4.5%
• Residue on ignition	≤ 0.2%
• Diketopiperazine	≤ 1.5%
• L-phenylalanine	≤ 0.5%
• L- α -aspartyl-L-phenylalanine	≤ 0.25%
• Organic volatile impurities	Conform to USP
• Other related substances	≤ 2.0%
• Appearance of solution	Conform to EP
• Heavy metals (as Pb)	≤ 10ppm
• Lead	≤ 1ppm
• Arsenic	≤ 3ppm
• Conductivity	≤ 30 μ s/cm
• pH	4.5 ~ 6.0
• Particle size	200 mesh

Statement The product meets the requirements of **FCC 10, EP9, USP41** and **NF36**