

Typical Product Specifications & Properties

Aspartame

CAS Number: 22-839-47-0

Specifications	Limits
Molecular Formula	C ₁₄ H ₁₈ N ₂ O ₅
Molecular Weight (theoretical)	294.31
Description	A white, odorless, crystalline powder or granular, having a sweet taste.
Solubility (grams/100 g water) at 100°C	Sparingly soluble in water; slightly soluble in alcohol
Functional use	Sweetener, sugar substitute; flavor enhancer.
Packing and Storage	25 Kg net in fiber drum with inner PE bag. Kept in cool, dry place.
Assay %	(on dry matter) 98.0% - 102.0%
Transmittance	95% min
Specific Rotation	+14.5° - +16.5°
Heavy Metals, as Pb% by wt	10PPM max
Loss on Drying	4.5% max
Residue on Ignition	0.2% max
5-Benzyl-3, 6-dioxo-2-piperazineacetic acid	1.5 % max
Other related substances	2.0% max