

Aspartame

High-intensity sweetener for selected food, beverage and tabletop sweetener formulations.

CAS No. 22839-47-0	EC / List No. 245-261-3	Transport Non-dangerous goods
-----------------------	----------------------------	----------------------------------

Product Information

High-intensity sweetener for selected food, beverage and tabletop sweetener formulations.

Specifications

Parameter	Specification
Appearance	White, odourless crystalline granules
Assay	98.0–102.0 %
Specific rotation	+14.50 to +16.50 °
Loss on drying	≤4.50 %
Residue on ignition, sulphated ash	≤0.20 %
pH, 0.8% w/v aqueous solution	4.50–6.00
Heavy metals, as Pb	≤10 mg/kg
Arsenic	≤3 mg/kg
Lead	≤1 mg/kg
Particle size	20–60 mesh

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₁₄ H ₁₈ N ₂ O ₅
Molecular weight	294.30 g/mol

Applications

Beverage sweetener systems: Sweetening ingredient for permitted beverage formulations.

Tabletop sweetener blends: Ingredient for qualified tabletop and powdered sweetener development.

Food and confectionery development: Sweetener for selected food and confectionery concepts.

Packaging / Storage

Item	Information
Packing	25 kg bags
Storage	Store tightly closed in a cool, dry, well-ventilated place. Protect from moisture, excessive heat, direct sunlight and incompatible chemicals.
Shelf life	Two years in sealed original packaging stored cool and dry.
Handling	Provide effective ventilation during powder transfer. Wear suitable protective gloves, safety goggles and work clothing. Avoid airborne dust, ingestion and unnecessary skin or eye contact.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com