

H & A (Canada) Inc.

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PRODUCT DATA

ASPARTAME POWDER FCC

Item #: AS520

CAS No: 22839-47-0

M.Wt: 294.31

M.Fm: C₁₄H₁₈O₅N₂

Description:

Aspartame, derived from two amino acids, L-aspartic acid and L-phenylalanine, is a white, odorless, crystalline powder with a sweet, intense taste. It is approximately 200 times sweeter than sugar and sparingly soluble in water and slightly soluble in alcohol.

Applications:

Sweetener, sugar substitute, and flavor enhancer. Used in tabletop sweeteners, beverages, dairy, confectionery, desserts and pharmaceutical preparations. This product has also been approved by the FAO/WHO's committee on food additives, and is now used worldwide; ADI has been set at 40mg/kg of body weight.

Specifications:

This product meets the specification of Food Chemicals Codex-IV (FCC-IV).

Identification	.....	Per Standard
Assay (anhydrous)	.....	98.0%-102.0%
Specific Rotation (4% in 15 N formic acid, at 20°C within 30 min.)	.....	+14.5° - +16.5°
Transmittance (1% in 2 N HCl)	.....	95.0% min.
Loss on Drying (105°C, 4 hrs)	.....	4.5% max.
Residue on Ignition	.....	0.2% max.
pH (0.8% solution)	.....	4.5 - 6.0
5-Benzyl-3, 6-dioxo-2-piperazine acetic acid	.....	0.5% max.
Heavy Metals (as Pb)	.....	10ppm max.
Arsenic (as As)	.....	3ppm max.

Particle Size:

80-100 Mesh

Packaging and Storage:

Preserved in 25 kg fiber drums, store in a cool; dry condition with a tight seal.

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