Aspartame-Acesulfame Salt (E962)

Aspartame-acesulfame salt · CAS 106372-55-8 · 1:1 salt of aspartame and acesulfame

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
1:1 salt of aspartame and acesulfame	Aspartame-acesulfame salt	106372-55-8	53.0–57.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC for each active	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 1:1 aspartame-acesulfame salt for a rounded sweetness in beverages, with a defined ratio and homogeneity separate from a physical blend.

SWEETNESS

300–350 × sucrose, indicative

TASTE NOTE

Rounded sweetness with a faster onset than aspartame alone and a shorter tail than Ace-K alone.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Aspartame	53.0–57.0% (HPLC)	As stated
Acesulfame	38.0–42.0% (HPLC)	As stated
Appearance	White crystalline powder	As stated
Moisture	≤2.0%	As stated
pH (1% solution)	3.0–5.0	As stated
Solubility	Sparingly soluble in water; solubility increases at lower pH	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.30–0.60 g/mL	As stated
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker / profile	Aspartame and acesulfame in a 1:1 salt	Identity
Solubility	Sparingly soluble in water; more soluble at lower pH.	Matrix dependent
Starting use level	0.01–0.03% in beverages, depending on the target sucrose equivalence	Application dependent

PARAMETER	SPECIFICATION	METHOD / NOTE
pH behaviour	Most stable at mildly acidic pH; neutral pH and high heat reduce stability.	Matrix dependent

APPLICATIONS

- Beverages
- Tabletop
- Dairy
- Confectionery
- Chewing gum

AVAILABLE FORMS

- Powder, 80 mesh
- Granular

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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