Monoammonium Glycyrrhizinate 98%

$C_{42}H_{65}NO_{16}$ · CAS 53956-04-0 · Monoammonium glycyrrhizinate, water-soluble licorice derivative

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Monoammonium glycyrrhizinate, water-soluble licorice derivative	$C_{42}H_{65}NO_{16}$	53956-04-0	≥98.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC with UV detection	1 kg	3–10 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

A 98% monoammonium glycyrrhizinate for water-soluble licorice sweetness and flavour modification, with the salt form stated separately from glycyrrhizic acid.

SWEETNESS

50–100 × sucrose, indicative

TASTE NOTE

Liquorice sweetness with a slow onset and a long tail; the ammonium salt is easier to dissolve than the acid.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Monoammonium glycyrrhizinate	≥98.0% (HPLC)	As stated
Glycyrrhizic acid	≥65.0% (calculated)	As stated
Appearance	White to cream-coloured powder	As stated
Moisture	≤6.0%	As stated
pH (1% solution)	5.0–7.0	As stated
Solubility	Soluble in water	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.35–0.65 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	Monoammonium glycyrrhizinate ≥98%, glycyrrhizic acid ≥65%	Identity

PARAMETER	SPECIFICATION	METHOD / NOTE
Solubility	Soluble in water; easier to formulate than the free acid in neutral systems.	Matrix dependent
Starting use level	0.002–0.02% in food, depending on the category and the liquorice note	Application dependent
pH behaviour	Soluble and stable at mildly acidic to neutral pH; very low pH requires a shelf-life check.	Matrix dependent

APPLICATIONS

- Flavour systems
- Confectionery
- Beverages
- Oral care
- Sauces

AVAILABLE FORMS

- Powder, 80 mesh
- Granular
- Liquid on request

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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China
info@rainwoodbio.com · sweeteners.rainwoodbio.com