Glycyrrhizin 98%

$C_{42}H_{62}O_{16}$ · CAS 1405-86-3 · Glycyrrhizic acid, purified from licorice root

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

IDENTITY / FORM	FORMULA	CAS	PRIMARY ASSAY
Glycyrrhizic acid, purified from licorice root	$C_{42}H_{62}O_{16}$	1405-86-3	≥98.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC with UV detection	1 kg	3–10 days	1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Glycyrrhizic acid	≥98.0% (HPLC)	Analytical
Appearance	White to light yellow powder	Specification
Moisture	≤6.0%	Specification
pH (1% solution)	4.5–6.5	Specification
Solubility	Sparingly soluble in water; soluble in alkaline solution	Specification
Particle size	≥95% through 80 mesh	Sieve
Bulk density	0.35–0.65 g/mL	Tapped cylinder
Ash	≤1.0%	Specification
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Marker / profile	Glycyrrhizic acid ≥98%	Identity / ratio
Appearance	White to light yellow, free-flowing powder	Visual
Solubility	Sparingly soluble in water; solubility rises with pH, which is why the salt form is often easier to formulate.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

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

AVAILABLE FORMS

- Powder, 80 mesh
- Granular on request

WHAT TO CONFIRM BEFORE ORDERING

- Glycyrrhizin has a long liquorice tail; taste at the final dose, not in water alone.
- Check the destination-market warning requirements for glycyrrhizin intake.
- For a clear beverage, test the salt form's solubility at the final pH.

Indicative document. This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The identity, assay basis, profile and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Identity, form, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, application and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

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