Rainwood SWEETENERS

SPECIMEN CERTIFICATE OF ANALYSIS
SW-005 · PLANT-DERIVED

Glycyrrhizin 98%

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

SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT

PRODUCT	IDENTITY / FORM	CAS	SPECIFICATION VERSION
Glycyrrhizin 98%	Glycyrrhizic acid, purified from licorice root	1405-86-3	Catalog · confirmed at quotation
BATCH NUMBER	**MANUFACTURE DATE**	**RETEST DATE**	**RELEASE DECISION**
Issued with the lot	Issued with the lot	Issued with the lot	Issued with the lot

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	METHOD
Glycyrrhizic acid	≥98.0% (HPLC)	As stated
Appearance	White to light yellow powder	As stated
Moisture	≤6.0%	As stated
pH (1% solution)	4.5–6.5	As stated
Solubility	Sparingly soluble in water; soluble in alkaline solution	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.35–0.65 g/mL	As stated
Ash	≤1.0%	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	Glycyrrhizic acid ≥98%	Identity
Solubility	Sparingly soluble in water; solubility rises with pH, which is why the salt form is often easier to formulate.	Matrix dependent

LOT FIELDS

A batch-specific certificate replaces the fields above with the measured result, the method actually used, the batch number, the manufacture and retest dates, and the release signature. The catalog limits on this page are the release window, not a result.

STATEMENT

This specimen shows the format and the release specification. It is not a batch COA and must not be presented as one. The COA that ships with a lot is issued from the released batch and is available before dispatch.

Pack and storage. 1 kg foil pouch · 25 kg fiber drum. Store closed in a cool, dry place, away from direct sunlight and moisture. The lot-specific retest

date is shown on the batch certificate.