TECHNICAL DATA SHEET

PINHONBIO® Glabridin 90%

A licorice-root ingredient standardised to at least 90.0% glabridin by HPLC.

INCI name	GLABRIDIN
CAS number	59870-68-7
Botanical source	Glycyrrhiza glabra L., root
Extraction solvents / excipients	Ethanol and water / no added excipients

Quality specifications

Parameter	Specification
Glabridin (HPLC)	≥90.0%
Appearance	Off-white powder
Identification (TLC)	Sample spots match the positions of the reference standard spots.
Odour	Characteristic
Particle size	≥99% passes an 80-mesh sieve
Ash	≤3.0%
Moisture	≤5.0%
Residual ethanol	≤2,000 ppm
Pesticide residues	DDT and BHC (HCH) each ≤1.0 ppm
Elemental limits	As ≤1.0, Pb ≤2.0, Hg ≤0.1 and Cd ≤1.0 mg/kg
Total plate count	≤1,000 CFU/g
Yeasts and moulds	≤100 CFU/g
Escherichia coli and Salmonella spp.	Each: not detected

Formulation guidance

Screen the intended vehicle at the target glabridin concentration. Check for undissolved particles after mixing and for crystallisation after cooling or storage.

Packaging and storage

Two food-grade plastic liners tied with cotton cord, in a kraft paper bag or fibre drum. Store tightly closed in a cool, dry place protected from light. Shelf life is 24 months from manufacture under these conditions.

Shaanxi Pinhon Biotechnology Co., Ltd. | tech@pinhoningredients.com