

Certificate of Analysis

Date of Testing: 2025-02-13 16:39:56

Date of Next Testing: 2027-02-13 16:39:56

Product Name: **Glycyrrhizic acid ammonium salt**

CAS Number: 53956-04-0

Specifications & Purity: $\geq 70\%$ (HPLC)

Lot #: L1701060

SKU #: **G109353**

Version: **0**

Analysis #: **470405**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	70-100 (%)	70.00000 %
Sulfate Ash	0-0.2 (%)	0.01 %
α -glycyrrhizic acid (HPLC)	0-10 (%)	6.10 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH } 50\% \text{ v/v})$	49-54 (°)	49.32 °
Loss on drying	0-6 (%)	3.01 %
Heavy metal (as Pb)	0-20 (ppm)	6.21 ppm
Residual solvents	0-1 (%)	0.52 %
Appearance (G109353)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager