

Certificate of Analysis

Date of Testing: 2024-11-06 10:27:15

Date of Next Testing: 2026-11-06 10:27:15

Product Name: **Glycyrrhizic acid ammonium salt**

CAS Number: 53956-04-0

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

Lot #: B2303422

SKU #: **G109353**

Version: **0**

Analysis #: **431149**

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

Parameter	Limit Values	Result
Purity(HPLC)	70-100 (%)	84.88600 %
Sulfate Ash	0-0.2 (%)	0.15 %
α -glycyrrhizic acid (HPLC)	0-10 (%)	6.26 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH } 50\% \text{ v/v})$	49-54 (°)	51.75 °
Loss on drying	0-6 (%)	2.05 %
Heavy metal (as Pb)	0-20 (ppm)	6.36 ppm
Residual solvents	0-1 (%)	0.36 %
Appearance (G109353)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager