

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-08-06 15:43:55
 Date of Next Testing: 2028-08-05 15:43:55
 Product Name: **Glycyrrhizic acid ammonium salt**
 CAS Number: 53956-04-0
 Specifications & Purity: $\geq 70\%$ (HPLC)
 Lot #: B2303361
 SKU #: **G109353**
 Version: **0**
 Analysis #: **751453**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	70-100 (%)	84.88400 %
Sulfate Ash	0-0.2 (%)	0.15080 %
α -glycyrrhizic acid (HPLC)	0-10 (%)	6.27600 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH } 50\% \text{ v/v})$	49-54 (°)	51.75100°
Loss on drying	0-6 (%)	2.04750 %
Heavy metal (as Pb)	0-20 (ppm)	6.35800 ppm
Residual solvents	0-1 (%)	0.35580 %
Appearance (G109353)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager