



# Unilong Industry Co., Ltd

Add: Shuntai, No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China

## CERTIFICATE OF ANALYSIS

Product Name:	Glycyrrhizic acid ammonium salt	Batch No.	JL20230908
CAS	53956-04-0	MF Date	Sep.10,2023
Packing	25kg/drum	Analysis Date	Sep.10,2023
Quantity	3Ton	Retest Date	Sep.09,2024
Item	Standard		Result
Appearance	White,yellowish-white or light yellow powder		Complies
Identification	Positive reaction		Complies
Specific optical rotation	+45.0°~+53.0°		+50.5°
Loss on drying	≤7.0%		5. 3%
Ash	≤0.5%		0.18%
As	≤2.0mg/kg		Complies
Pb	≤2.0mg/kg		Complies
Assay(HPLC)	Not less than 73.0%of C <sub>42</sub> H <sub>65</sub> NO <sub>16</sub>		74.10%
Conclusion	Qualified		

Analyst: Wen Qian

Quality Assurance Officer: Zhan Peng