

## Certificate of Analysis

Date of Testing: 2022-02-20 23:26:19  
Date of Next Testing: 2024-02-20 23:26:19  
Product Name: **Glycyrrhizic acid potassium salt, hydrate**  
CAS Number: 68797-35-3  
Specifications & Purity:  $\geq 75.0\%$ (HPLC)  
Lot #: B2217353  
SKU #: **G133556**  
Analysis: **069169**

| Parameter  | Limit Values | Result       |
|--|--------------|--------------|
| Specific Rotation $[\alpha]_{20}^D(c=1.5 \text{ in H}_2\text{O})(\text{calcd. on anh. substance})$ | 47-55 (°)    | 54.38°       |
| Purity(HPLC)   | 75-100 (%)   | 86.42900 %   |
| Potassium(K)(anhydrous)  | 6.5-8.7 (%)  | 6.56 %       |
| Water by Karl Fischer  | 0-10 (%)     | 5.89 %       |
| Appearance (G133556)   | White powder | White powder |
| LC-MS for identification   | Conforms     | Conforms     |



John Su  
QA & QC Manager