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Certificate of Analysis

Product Name Glycyrrhizic acid ammonium salt

 Glentham Code
 GK2256

 CAS Number
 53956-04-0

 EINECS
 258-887-7

 MDL Number
 MFCD00167400

 PubChem SID
 310274306

 Batch Number
 116ZGC

 $\begin{array}{ll} \mbox{Molecular Weight} & 839.96 \mbox{ (anhydrous)} \\ \mbox{Molecular Formula} & \mbox{C}_{42}\mbox{H}_{62}\mbox{O}_{16} \cdot \mbox{NH}_{3} \cdot \mbox{xH}_{2}\mbox{O} \end{array}$

Storage Temp. +4°C

Property Specification Batch 116ZGC Physical Description White or yellowish-white, hygroscopic powder Yellowish-white, hygroscopic powder Identification According to EP Conforms According to EP Conforms Appearance of Solution Specific Optical Rotation +49.0 - +54.0 ° +53.8° Related Substances 18 α-glycyrrhizic acid: ≤ 10.0% 8.3% Impurity A: ≤ 5.0% 4.2% Any Other Impurity: ≤ 2.0% Conforms Sum of Other Impurities: ≤ 7.0% Conforms Heavy Metals ≤ 20ppm Conforms 3.7% Water ≤ 6.0% ≤ 0.2% Sulphated Ash 0.03% Assay 98.0 - 102.0 % (anhydrous basis) 99.3% Conforms Pharmacopoeia Specification(s)

Specification Version v1.1

Manufacture Date 2022-05-22

Re-Test Date 2030-07-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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