

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-14 10:53:23

Date of Next Testing: 2028-10-13 10:53:23

Product Name: **Gardenoside**

CAS Number: 24512-62-7

Specifications & Purity: $\geq 98\%$

Lot #: A2108195

SKU #: **G123666**

Version: **0**

Analysis #: **419171**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.24300 %
Specific Rotation $[\alpha]_{20/D}(c=1.86 \text{ in MeOH})$	-57.9--51.9 (°)	-57.86000 °
Melting point	118-120 (°C)	119.29600 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager