

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-04-28 09:23:05  
Date of Next Testing: 2024-04-17 09:23:05  
Product Name: **Madecassoside**  
CAS Number: 34540-22-2  
Specifications & Purity: analytical standard , 98%  
Lot #: D2219096  
SKU #: **M107330**  
**Analysis:** **075347**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	0-5 (%)	0.00 %
Purity(HPLC)	98-100 (%)	99.73700 %
Appearance (M107330)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless , 1 mg/ml in water	pass	Pass



John Su  
QA & QC Manager