

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-29 14:52:05  
Date of Next Testing: 2026-04-19 14:52:05  
Product Name: **Lupeol**  
CAS Number: 545-47-1  
Specifications & Purity: analytical standard ,  $\geq 98\%$   
Lot #: D2425047  
SKU #: **L114075**  
**Analysis:** **352717**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.78%
Specific Rotation $[\alpha]_{20/D}(c=0.19g/100ml$ in Chloroform)	29-33 ( $^{\circ}$ )	32.89000 $^{\circ}$
Appearance (L114075)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager