

## Certificate of Analysis

Date of Testing: 2023-06-21 16:25:31  
Date of Next Testing: 2027-06-20 16:25:31  
Product Name: **Matrine**  
CAS Number: 519-02-8  
Specifications & Purity: 98%  
Lot #: F2315131  
SKU #: **M109803**  
**Analysis:** **244292**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.10%
Purity(GC)	98-100 (%)	99.68%
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in EtOH)	31-34 (°)	32.99°
Appearance (M109803)	White crystal	White crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager