

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-16 11:27:34  
Date of Next Testing: 2026-10-16 11:27:34  
Product Name: **Pramiracetam Hydrate**  
CAS Number: 68497-62-1  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: F1523088  
SKU #: **P126924**  
Version: **0**  
Analysis #: **421197**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.40000 %
Melting point	45-49 (°C)	46.10000 °C
Loss on drying	6-14 (%)	9.20 %
Purity(NonaqueousTitration) (calcd.onanh.substance)	98-100 (%)	99.20 %
Appearance (P126924)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager