

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-06 16:08:11  
 Date of Next Testing: 2030-01-05 16:08:11  
 Product Name: **4,4'-Azobis(4-cyanovaleric acid) (ACVA)**  
 CAS Number: 2638-94-0  
 Specifications & Purity:  $\geq 98\%$ , 20% Water  
 Lot #: L2525287  
 SKU #: **A106307**  
 Version: **0**  
 Analysis #: **626316**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                | Limit Values             | Result                   |
|----------------------------------------------------------|--------------------------|--------------------------|
| Purity(Neutralization titration)(calcd.on anh.substance) | 97.5-102.5 (%)           | 97.73000 %               |
| Water by Karl Fischer                                    | 0-20 (%)                 | 13.96200 %               |
| Appearance (A106307)                                     | white crystalline powder | white crystalline powder |
| Infrared spectrum                                        | Conforms to Structure    | Conforms to Structure    |
| Proton NMR spectrum                                      | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager