

## Certificate of Analysis

Date of Testing: 2023-05-15 16:24:05  
Date of Next Testing: 2027-05-14 16:24:05  
Product Name: **4,4'-Azobis(4-cyanovaleric acid)**  
CAS Number: 2638-94-0  
Specifications & Purity:  $\geq 98\%$ , water  $\leq 1\%$   
Lot #: E2310440  
SKU #: **A489418**  
**Analysis: 159683**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Water by Karl Fischer	0-1 (%)	0.10 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance(A489418)	White crystalline powder	white crystalline powder



John Su  
QA & QC Manager