

## Certificate of Analysis

Date of Testing: 2022-03-09 13:33:48  
Date of Next Testing: 2026-03-08 13:33:48  
Product Name: **4,4'-Azobis(4-cyanovaleric acid)**  
CAS Number: 2638-94-0  
Specifications & Purity: 98%,contains ca. 20% Water  
Lot #: C2202198  
SKU #: **A106307**  
**Analysis: 081260**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(Neutralization titration)(calcd.on anh.substance)	97.5-102.5 (%)	99.97 %
Water by Karl Fischer	0-20 (%)	16.75 %
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