

## Certificate of Analysis

Date of Testing: 2022-12-05 18:35:31  
Date of Next Testing: 2026-12-04 18:35:31  
Product Name: **Alizarin violet**  
CAS Number: 2103-64-2  
Specifications & Purity: >85.0%(HPLC)  
Lot #: K2229676  
SKU #: **A116396**  
**Analysis:** **163805**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
E (1%/1cm)(pH 6.8 buffer sol.,532.0 - 535.0 nm)	≥360	361.52
λ max.(pH 6.8 buffer sol.)	532-535 (nm)	533.42 nm
Purity(HPLC)	85-100 (%)	85.05200 %
Appearance (A116396)	Brown to Very Dark Brown to Amber to Dark purple to Black solid	Brown to Very Dark Brown to Amber to Dark purple to Black solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager