

## Certificate of Analysis

Date of Testing: 2024-04-16 16:02:51

Date of Next Testing: 2028-04-15 16:02:51

Product Name: **Citraconic Acid**

CAS Number: 498-23-7

Specifications & Purity: >98.0%(GC)(T)

Lot #: D2407038

SKU #: **C153469**

**Analysis:** **100681**

Storage Temperature: Argon charged

| Parameter                        | Limit Values                                  | Result                                        |
|----------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(GC)                       | 98-100 (%)                                    | 99.20 %                                       |
| Purity(Neutralization titration) | 97.5-102.5 (%)                                | 99.50 %                                       |
| Appearance (C153469)             | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum              | Conforms to Structure                         | Conforms to Structure                         |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager